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WEST VIRGINIA

VITAL STATISTICS

1990

DEPARTMENT OF HEALTH AND HUMAN RESOURCES

BUREAU OF PUBLIC HEALTH

HEALTH STATISTICS CENTER

FORTY-FOURTH ANNUAL REPORT

VITAL HEALTH STATISTICS
OF
WEST VIRGINIA
1990

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FOREWORD

Data used to prepare this report are taken from birth, death, fetal death (stillborn), marriage, and divorce certificates of these events occurring in calendar year 1990 and filed in the Office of the West Virginia Registrar of Vital Statistics prior to June 1, 1991. Vital events occurring to West Virginia residents in other states and recorded in the office of the registrar by June 1 are also included in totals by residence.

All statistics contain variations that are the result of chance. This characteristic is of particular importance in classifications of events with small numbers, where small variations are proportionately large in relation to base figures. As an example, small changes in the number of deaths or births in small population areas or in the number of deaths from uncommon causes could result in large changes in the respective rates. For this reason, rates for counties with small populations or other small bases should be used cautiously.

Suggestions and comments on alternate methods of data presentation are welcome. Forward any suggestions to the address below:

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Office of Epidemiology and Health Promotion
1411 Virginia Street, East
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Telephone: (304) 348-9100
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WEST VIRGINIA
VITAL STATISTICS SUMMARY
1990

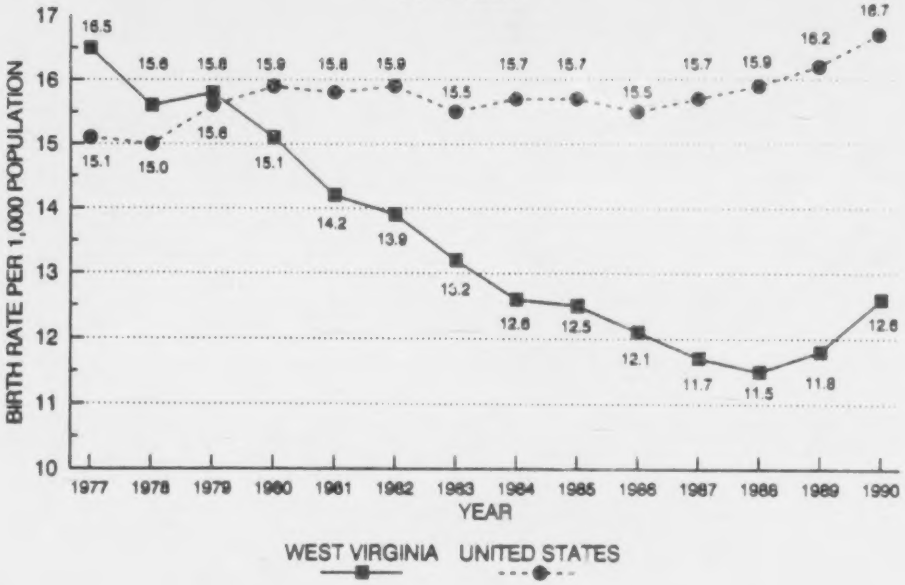
Population

During 1990, 3,222 West Virginians were added to the population as a result of natural increase, the excess of births over deaths. The rate of natural increase was 1.8 persons per 1,000 population, 28.6% higher than the 1989 rate of 1.4. Census figures for 1990 show the state's population decreased by 156,167 (8.0%) from 1980 to 1990, from 1,949,644 to 1,793,477. However, since the natural increase from April 1980 to April 1990 was 52,614, outmigration during the decade was 208,781 (10.7%).

Live Births

For the second year in a row, West Virginia births increased, with a total of 22,582 resident live births in 1990. A birth rate of 12.6 per 1,000 population was reported in 1990, compared to 11.8 in 1989. The U.S. 1990 provisional birth rate was 16.7 live births per 1,000 population, 3.1% higher than the rate for 1989 (16.2). As the graph on the following page shows, West Virginia's birth rate fell below the national birth rate for the first time in 1980, continued to drop even further through 1988, and then showed slight upturns in 1989 and 1990.

WEST VIRGINIA AND UNITED STATES BIRTH RATES
1977-1990



The 1990 U.S. fertility rate* of 71.1 live births per 1,000 women aged 15-44 was 3.3% higher than the 1989 rate (68.8). West Virginia's fertility rate increased from 50.6 in 1989 to 56.0 in 1990. A comparison of age-specific fertility rates is displayed in the table below.

FERTILITY RATES BY AGE GROUP 1990 West Virginia**-1988 United States***					
15-19		20-44		Total	
W.V.	U.S.	W.V.	U.S.	W.V.	U.S.
57.5	53.6	55.7	69.3	56.0	67.2

---

*National Center for Health Statistics, Monthly Vital Statistics Report, Vol. 39, No. 12, April 8, 1991.

**State fertility rates were calculated using 1990 census population figures from the Bureau of the Census.

***National Center for Health Statistics, Monthly Vital Statistics Report, Vol. 39, No. 4, Supplement, August 15, 1990.

The fertility rate among women aged 15-19 in West Virginia was 7.3% higher than that among young women in the U.S. (57.5 vs. 53.6). The fertility rate among women aged 20-44, however, was 19.6% lower in the state than in the nation (55.7 vs. 69.3). As a result of the greater difference in fertility rates among women aged 20+, the 1990 overall fertility rate for West Virginia was 16.7% lower than the 1988 U.S. rate.

The number of births to teenage mothers increased by 107 (2.7%), from 3,933 in 1989 to 4,040 in 1990. The percentage of total births increased slightly, from 17.8% in 1989 to 17.9% in 1990. While the fertility rate among teenagers in West Virginia is not markedly higher than that for the nation as a whole, the significantly lower fertility rate among older women results in teenage births constituting a higher proportion of total births than is found nationally.

In both West Virginia and the United States, the number and percentage of live births occurring out of wedlock has risen steadily during the past decade. One-fourth (25.4%) of all West Virginia resident births in 1990 were to unwed mothers. The percentages of white and black births that occurred out of wedlock in West Virginia in 1990 were 23.8% and 67.9%, respectively, compared with 21.8% and 66.5% in 1989. The percentage of births to unmarried teenage mothers increased from 52.2% in 1989 to 54.1% in 1990.

The percentage of live births of low birthweight (less than 2,500 grams, or 5½ pounds) infants increased nearly 7.6%, from 6.6% in 1989 to 7.1% in 1990. Of the 1,602 low-birthweight babies, 909 or 56.7% were preterm babies born before 37 weeks of gestation. (Of all 1990 resident live births of known gestation, 7.5% were preterm babies.) Of the births with known birthweight, 13.2% of black babies and 6.9% of white babies were of low birthweight. Nationally, 6.9% of all infants weighed less than 2,500 grams at birth in 1988 (the latest year for which U.S. data are available). In that year, 5.6% of white infants and 13.0% of black infants were of low birthweight.

Seventy-three percent (73.4%) of mothers who received known prenatal care began their care during the first trimester of pregnancy. Among those with known prenatal care, 74.3% of the white mothers began care during the first trimester; 51.1% of the black mothers did so. No prenatal care was received by 1.2% of white mothers and by 4.9% of black mothers.

Over one-fourth (27.3%) of the 22,582 births in 1990 were to mothers who smoked during their pregnancies, while 2.6% were to women who used alcohol. Twenty-seven percent (26.8%) of births were delivered by Cesarean section. One or more complications of labor and/or delivery were reported for 31.2% of deliveries in the state in 1990.

Deaths

The number of West Virginia resident deaths decreased slightly, from 19,525 in 1989 to 19,360 in 1990. The state's crude death rate increased from 10.4 deaths per 1,000 population in 1989 to 10.8 in 1990. The national 1990 provisional death rate was 8.6 deaths per 1,000 population, 1.1% lower than the rate of 8.7 in 1989. The average age at death for West Virginians was 71.3 (68.3 for men and 74.7 for women). One hundred and one West

Virginia residents who died in 1990 were age 100 or older; the oldest man was 106 years old and the oldest woman was 113 years old.

Heart diseases, cancer, and stroke, the three leading causes of death, accounted for 65.5% of West Virginia resident deaths and 63.6% of United States deaths in 1990. State deaths due to heart diseases decreased 3.7%, while deaths due to cancer and stroke increased 0.8% and 1.4%, respectively. Chronic obstructive pulmonary disease increased 4.1% to replace accidents of all forms as the fourth leading cause of death in West Virginia in 1990.

Unintentional injuries remained the leading cause of death for ages 1 through 34 years. The leading single cause of death for young adults aged 15 through 34 was motor vehicle fatalities, which accounted for 36.3% of all deaths for this age group in 1990, compared with 36.9% in 1989. West Virginia's 1990 motor vehicle fatalities included 8 children under 5 years of age, compared to 15 such deaths in 1989.

Suicides decreased by 10 or 4.3%, from 230 in 1989 to 220 in 1990. Male suicides decreased 7.4%, from 203 in 1989 to 188 in 1990; female suicides increased 18.5%, from 27 in 1989 to 32 in 1990. While suicide was the eighth leading cause of death overall, it was the second leading cause of death for ages 15-34. The number of suicides among persons aged 19 and under remained unchanged, at 20, from 1989 to 1990.

Years of Potential Life Lost (YPLL)

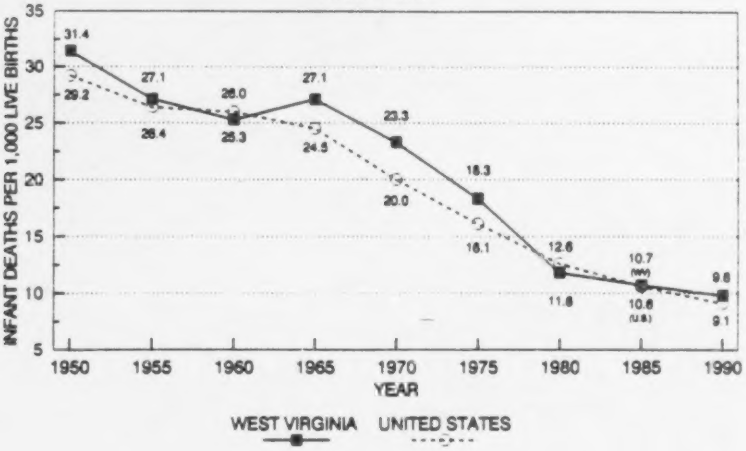
YPLL is a measure of premature or preventable mortality occurring before the age of 65, calculated as the difference between age 65 and the age at death. The sum of YPLL over all deaths is the total YPLL from all persons dying before the age of 65. For example, a person dying at the age of 45 contributes 20 years to the total YPLL (65-45=20 YPLL). YPLL is an important tool for emphasizing and evaluating causes of death among persons less than 65 years of age.

The YPLL from all causes decreased 5.0%, from 88,093 YPLL in 1989 to 83,688 in 1990. The three leading causes of YPLL in 1990 were malignant neoplasms (14,092 YPLL), motor vehicle accidents (13,741 YPLL), and diseases of the heart (12,721 YPLL). Combined, these three causes accounted for almost half (48.5%) of all years of potential life lost in 1990. In comparison to 1989, YPLL attributable to motor vehicle accidents decreased from 16.7% of the total to 16.4%. YPLL due to diseases of the heart decreased from 15.6% to 15.2%, while the percentage of total YPLL due to malignant neoplasms increased slightly, from 16.7% to 16.8%.

Infant Deaths

Deaths of infants under one year of age increased from 208 in 1989 to 222 in 1990. West Virginia's infant mortality rate increased 4.3% from 9.4 per 1,000 live births in 1989 to 9.8 in 1990. The U.S. provisional 1990 infant mortality rate was 9.1, a 6.2% decrease from the 1989 rate of 9.7.

The following graph shows the decline in the national and state infant mortality rates from 1950 through 1990.


WEST VIRGINIA AND UNITED STATES
INFANT MORTALITY RATES
1950-1990

The state's 1989 black infant mortality rate increased 59.6%, from 10.9 in 1989 to 17.4 in 1990, while the rate for white infants increased 2.1%, from 9.4 to 9.6. West Virginia's 1990 race-specific infant mortality rates and the U.S. rates for 1988 (the latest year for which national figures are available) are shown in the following table.

1990 WEST VIRGINIA AND 1988 UNITED STATES
INFANT MORTALITY BY RACE
(Number and Rate per 1,000 Live Births)

	WEST VIRGINIA 1990		UNITED STATES 1988	
	Number	Rate	Number	Rate
All Races	222	9.8	38,910	10.0
White	207	9.6	25,925	8.5
Black	15	17.4	11,840	17.6

Neonatal/Postneonatal Deaths

The number of neonatal deaths increased by 4, from 138 in 1989 to 142 in 1990; the neonatal death rate remained unchanged at 6.3 deaths among infants under 28 days per 1,000 live births. The United States provisional 1990 rate was 5.7. Neonatal deaths comprised 64.0% of all West Virginia resident infant deaths in 1990, compared to 66.3% in 1989. The number of postneonatal deaths increased from 70 in 1989 to 80 in 1990. The postneonatal mortality rate increased from 3.2 postneonatal deaths per 1,000 live births minus neonatal deaths in 1989 to 3.6 in 1990.

Fetal Deaths

The 168 resident fetal deaths of 20 or more weeks gestation reported in 1990 was a 16.8% decrease from the 202 fetal deaths in 1989. The fetal death rate decreased from 9.2 fetal deaths per 1,000 live births in 1989 to 7.4 in 1990. The majority (89.9%) of fetal deaths were due to conditions originating in the perinatal period, including complications of placenta, cord and membrane (29.2%), maternal conditions (6.0%), maternal complications (4.2%), short gestation and low birthweight (4.2%), and other and ill-defined perinatal conditions (34.5%). Congenital anomalies accounted for 9.5% of all fetal deaths.

Marriages

Marriages decreased from 13,279 in 1989 to 13,012 in 1990. The marriage rate in 1990 was 7.3 per 1,000 population, compared to 7.2 in 1989. The state's 1990 marriage rate was 25.5% lower than the U.S. rate of 9.8, which increased slightly from 9.7 in 1989. Over the past decade, the number of marriages in West Virginia has decreased 25.2%, from 17,391 in 1980 to 13,012 in 1990.

The median age for all marriages in 1989 was 26 for brides and 29 for grooms. For first marriages, the median age increased from 21 to 22 for brides and from 23 to 24 for grooms. The mode, or most frequently reported age, for all marriages and also for first-time marriages was 18 for brides; the most frequently reported age for grooms was 21.

Divorces and Annulments

The number of divorces increased 6.9%, from 9,154 in 1989 to 9,783 in 1990. The rate of 5.5 per 1,000 population increased from 4.9 in 1989. The U.S. rate of 4.7 per 1,000 population was unchanged from the 1989 rate.

Of the 9,783 divorces in West Virginia last year, the median duration of marriage was 6 years. Almost half (47.6%) of the 1990 divorces involved no children under 18 years of age in the family, while one child was involved in 27.0% of all divorces and two children were involved in 19.1%. Four divorces involved six or more children.

Summary

West Virginia resident births increased by 2.3% to 22,582 in 1990, continuing an upturn that started in 1989. West Virginia resident deaths decreased slightly, from 19,525 in 1989 to 19,360 in 1990. The number of infant deaths increased 6.7% from 208 in 1989 to 222 in 1990. Fetal deaths of 20 weeks or more gestation decreased 16.8%, from 202 in 1989 to 168 in 1990. Marriages decreased 2.0% from 13,279 in 1989 to 13,012 in 1990, while divorces increased 6.9% from 9,154 in 1989 to 9,783 in 1990.

METHODOLOGY

Place of Residence vs. Place of Occurrence

Data on vital events can be reported in two ways, by county of residence or by county of occurrence. For example, Lincoln County reported 49 deaths as occurring within the confines of the county. However, resident deaths for the county for 1990 totaled 203. With the exception of Table 22, the mortality data presented in this report are based on county of residence, as county resident populations are used to calculate rates.

With the exception of Table 6, birth data are similarly reported by county of residence.

Geographic Classification

The county has been used as the basic unit of tabulation throughout this report. Data have also been supplied for public health management districts and for the total state. In some instances, data have been supplied for individual cities.

Cause of Death Classification

The cause of death is coded from information contained in the medical certification section of the death certificate. This portion of the certificate is completed by the attending physician. In the case of an unattended death, the medical examiner is responsible for investigation and certification. As a general rule, data preceding 1949 cannot be accurately compared with those of later years due to the extensive revision of the coding rules made at that time. It was felt, however, that large causal categories could be compared. See Appendix B, "Grouping of ICDA Codes," for a listing of these selected causes.

International Classification of Diseases (ICDA)

The primary cause of death was coded in accordance with the Ninth Revision of the International Classification of Diseases Adapted for Use in the United States, 1975 (ICDA). The deaths with codes 000 through 799 were coded using the "nature of injury" causes, while those with codes 800 through 999 were coded using the E or "external cause" of death. The E codes are used to indicate a death due to an external rather than an internal cause. Thus, a death from a gunshot wound would be coded using an E code, while a death due to cancer would not have an E code.

In several tables individual causes of death have been grouped into important selected causes of death. The ICDA codes for the different groupings can be found in Appendix B.

Population

The rates given in this publication were calculated using the 1990 census populations provided by the U.S. Department of Commerce, Bureau of the Census, in Census of Population and Housing, 1990: Public Law (P.L.) 94-171 Data (West Virginia).

Forms

The following is a list of the certificates and forms used in obtaining the data used in this publication. A sample copy of each can be found in Appendix A.

Certificate of Live Birth
Physician's/Medical Examiner's Certificate of Death
Certificate of Fetal Death
Application for Marriage License
Monthly Report of Divorces and Annulments of Marriage Granted

RATES AND RATIOS

The impact of chance variation must be considered in evaluating categories with small frequencies. For example, a small change in the number of infant deaths in a county can disproportionately affect the infant mortality rate for that county. Rates for cities and counties therefore require special consideration. Regional and state rates, with larger frequencies, provide more realistic data.

Rates used in this report are calculated with 1990 census population figures reported in Census of Population and Housing, 1990: Public Law (P.L.) 94-171 Data (West Virginia), published by the U.S. Bureau of the Census.

$$\text{Birth Rate (Crude)} = \frac{\text{Number of live births}}{\text{Population}} \quad \text{x} \quad 1{,}000$$

$$\text{Death Rate (Crude)} = \frac{\text{Number of deaths}}{\text{Population}} \quad \text{x} \quad 1{,}000$$

$$\text{Cause of Death Rate} = \frac{\text{Number of deaths from a stated cause}}{\text{Population}} \quad \text{x} \quad 100{,}000$$

$$\text{Infant Death Rate} = \frac{\text{Number of infant deaths}}{\text{Number of live births}} \quad \text{x} \quad 1{,}000$$

$$\text{Neonatal Death Rate} = \frac{\text{Number of neonatal deaths}}{\text{Number of live births}} \quad \text{x} \quad 1{,}000$$

$$\text{Fetal Death Ratio} = \frac{\text{Number of fetal deaths}}{\text{Number of live births}} \quad \text{x} \quad 1{,}000$$

$$\text{Maternal Death Rate} = \frac{\text{Number of maternal deaths}}{\text{Number of live births}} \quad \text{x} \quad 100{,}000$$

DEFINITIONS

LIVE BIRTH - A live birth is the complete expulsion or extraction from its mother of a product of conception, irrespective of the duration of pregnancy, which, after such separation, breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

BIRTHWEIGHT - The weight of the fetus or infant at the time of delivery.

CAUSE OF DEATH - The underlying cause of death, or that condition giving rise to the chain of events leading to death.

FETAL DEATH (STILLBIRTH) - Death prior to the complete expulsion or extraction from its mother of a product of conception, having passed through at least the twentieth week of gestation; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

INFANT DEATH - Death occurring to an individual of less than one year of age.

NEONATAL DEATH - The death of a live-born infant that occurs within the first twenty-seven days of life.

MATERNAL DEATH - Death attributable to delivery or a complication of pregnancy, childbirth, or the puerperium as defined by the International Classification of Diseases.

OCCURRENCE DATA - Vital statistics compiled on the basis of where the vital event actually occurred.

RESIDENCE DATA - Vital statistics compiled on the basis of the usual place of residence of the person(s) to whom the vital event occurred. For births and fetal deaths, residence is defined as the mother's usual place of residence.

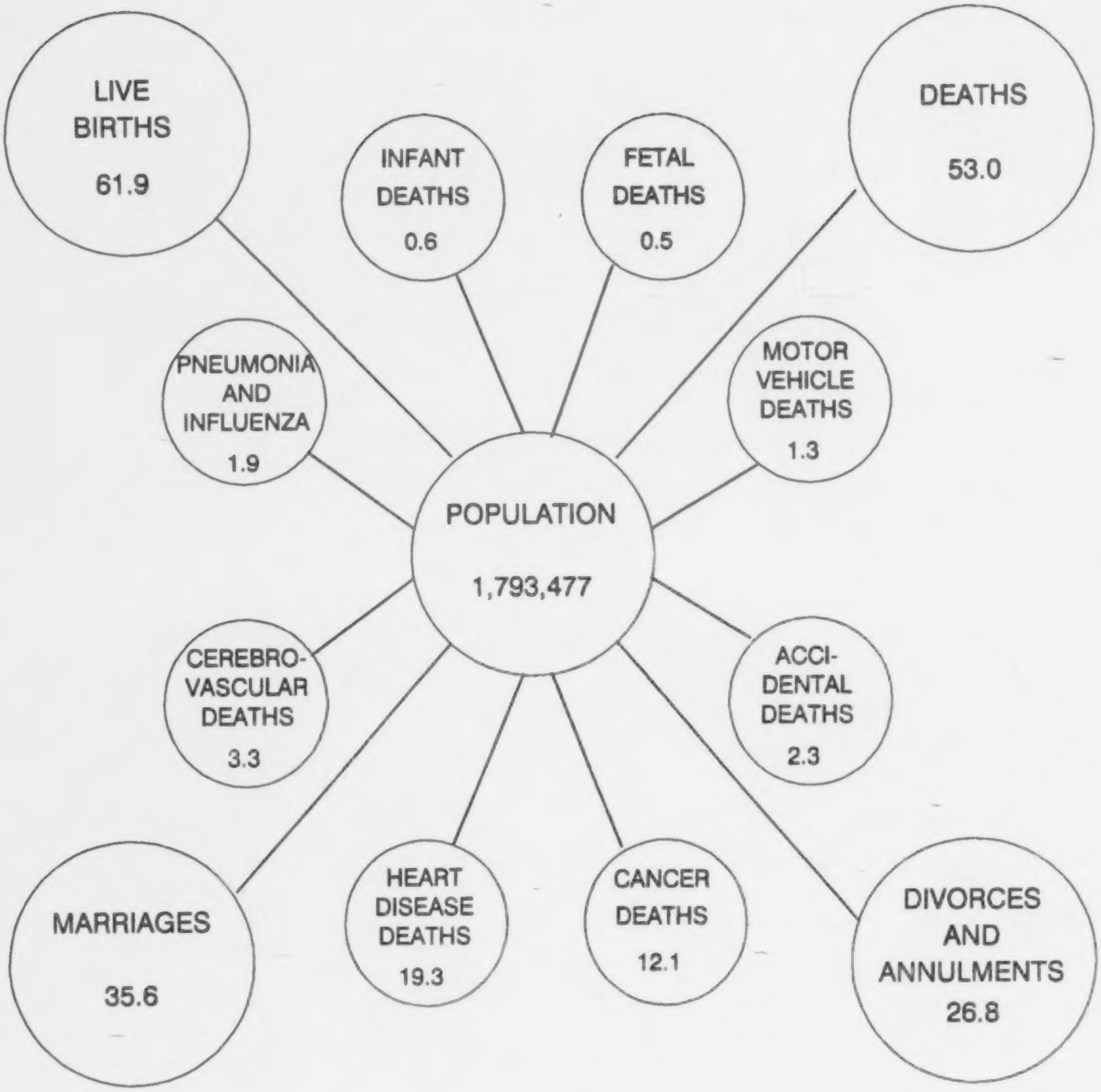
1990 WEST VIRGINIA AND UNITED STATES VITAL STATISTICS REVIEW

	WEST VIRGINIA		UNITED STATES*	
	Number	Rate	Number	Rate
Live Births	22,582	12.6	4,180,000	16.7
Deaths	19,360	10.8	2,148,000	8.6
Fetal Deaths	168	7.4	N/A	N/A
Neonatal Deaths	142	6.3	23,800	5.7
Infant Deaths	222	9.8	38,000	9.1
Marriages	13,012	7.3	2,445,000	9.8
Divorces & Annulments	9,783	5.5	1,177,000	4.7
Natural Increase	3,222	1.8	2,032,000	8.1
Population	**1,793,477		249,632,692	

* National Center for Health Statistics. Monthly Vital Statistics Report, Vol. 40, No. 1, DHHS Pub. No. (PHS) 91-1120, May 16, 1991.

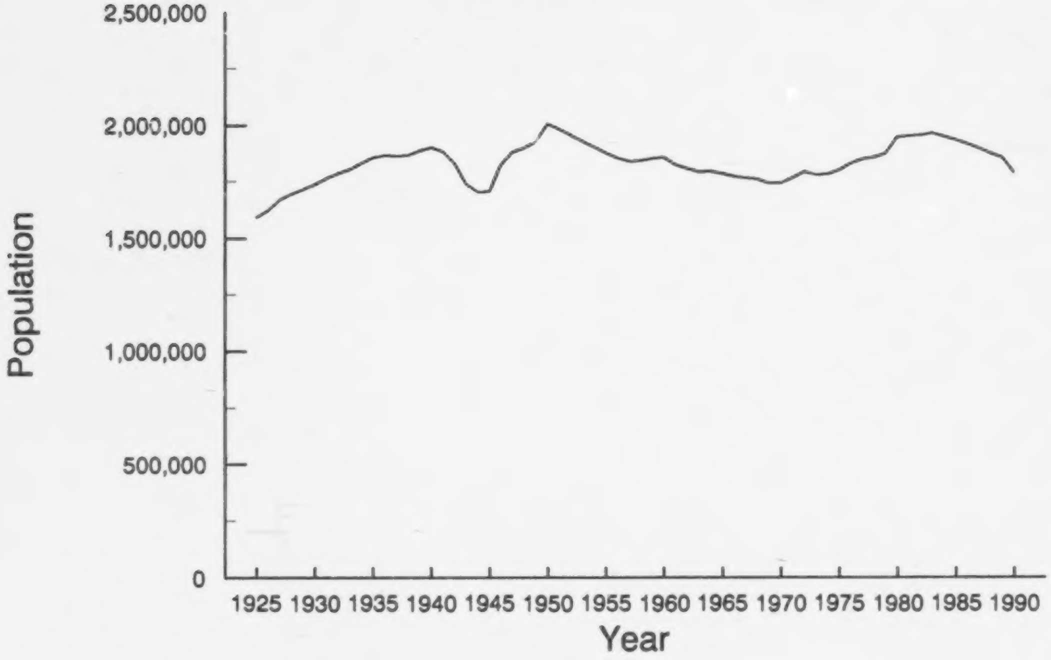
**U.S. Department of Commerce, Bureau of the Census, Census of Population and Housing, 1990: Public Law (P.L.) 94-171 Data (West Virginia).

AVERAGE DAY STATISTICS
WEST VIRGINIA, 1990


LIVE BIRTHS 61.9
INFANT DEATHS 0.6
FETAL DEATHS 0.5
DEATHS 53.0
PNEUMONIA AND INFLUENZA 1.9
MOTOR VEHICLE DEATHS 1.3
POPULATION 1,793,477
CEREBRO-VASCULAR DEATHS 3.3
ACCI-DENTAL DEATHS 2.3
MARRIAGES 35.6
HEART DISEASE DEATHS 19.3
CANCER DEATHS 12.1
DIVORCES AND ANNULMENTS 26.8

POPULATION

WEST VIRGINIA POPULATION, 1925-1990
Exhibit 1



YEAR	POPULATION	CHANGE IN POPULATION	
		Years	Percentage Change
1925	1,593,005		
1930	1,729,205	1925 to 1930	8.5
1935	1,856,354	1930 to 1935	7.4
1940	1,901,974	1935 to 1940	2.5
1945	1,708,000	1940 to 1945	-10.2
1950	2,005,552	1945 to 1950	17.4
1955	1,880,000	1950 to 1955	-6.3
1960	1,860,421	1955 to 1960	-1.0
1965	1,786,000	1960 to 1965	-4.0
1970	1,744,237	1965 to 1970	-2.3
1975	1,803,000	1970 to 1975	3.4
1980	1,949,644	1975 to 1980	8.1
1981	1,954,000	1980 to 1981	0.2
1982	1,957,000	1981 to 1982	0.2
1983	1,965,000	1982 to 1983	0.4
1984	1,952,000	1983 to 1984	-0.7
1985	1,936,000	1984 to 1985	-0.8
1986	1,919,000	1985 to 1986	-0.9
1987	1,898,000	1986 to 1987	-1.1
1988	1,877,000	1987 to 1988	-1.1
1989	1,857,000	1988 to 1989	-1.1
1990	1,793,477	1989 to 1990	-3.4

WEST VIRGINIA POPULATION, 1980 AND 1990

Table 1

COUNTY	1980*	1990**	COUNTY	1980*	1990**
BARBOUR	16,639	15,699	MONONGALIA	75,024	75,509
BERKELEY	46,775	59,253	MONROE	12,873	12,406
BOONE	30,447	25,870	MORGAN	10,711	12,128
BRAXTON	13,894	12,998	NICHOLAS	28,126	26,775
BROOKE	31,117	26,992	OHIO	61,389	50,871
CABELL	106,835	96,827	PENDLETON	7,910	8,054
CALHOUN	8,250	7,885	PLEASANTS	8,236	7,546
CLAY	11,265	9,983	POCAHONTAS	9,919	9,008
DODDRIDGE	7,433	6,994	PRESTON	30,460	29,037
FAYETTE	57,863	47,952	PUTNAM	38,181	42,835
GILMER	8,334	7,669	RALEIGH	86,821	76,819
GRANT	10,210	10,428	RANDOLPH	28,734	27,803
GREENBRIER	37,665	34,693	RITCHIE	11,442	10,233
HAMPSHIRE	14,867	16,498	ROANE	15,952	15,120
HANCOCK	40,418	35,233	SUMMERS	15,875	14,204
HARDY	10,030	10,977	TAYLOR	16,584	15,144
HARRISON	77,710	69,371	TUCKER	8,675	7,728
JACKSON	25,794	25,938	TYLER	11,320	9,796
JEFFERSON	30,302	35,926	UPSHUR	23,427	22,867
KANAWHA	231,414	207,619	WAYNE	46,021	41,636
LEWIS	18,813	17,223	WEBSTER	12,245	10,729
LINCOLN	23,675	21,382	WETZEL	21,874	19,258
LOGAN	50,679	43,032	WIRT	4,922	5,192
MCDOWELL	49,899	35,233	WOOD	93,648	86,915
MARION	65,789	57,249	WYOMING	35,993	28,990
MARSHALL	41,608	37,356			
MASON	27,045	25,178	TOTAL	1,949,644	1,793,477
MERCER	73,942	64,980			
MINERAL	27,234	26,697			
MINGO	37,336	33,739			

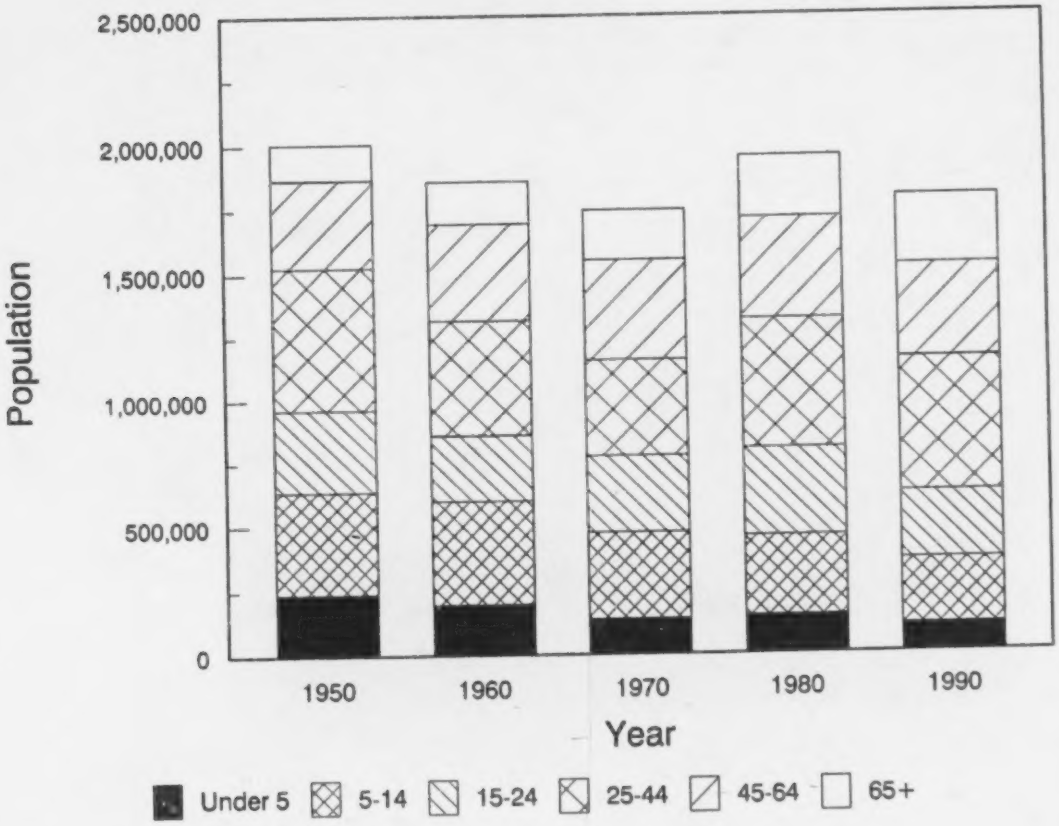
[*] U.S. Department of Commerce, Bureau of the Census, West Virginia Final Population and Housing Unit Counts, PHC80-V-50, March 1981.

[**] U.S. Department of Commerce, Bureau of the Census, Census of Population and Housing, 1990: Public Law (P.L.) 94-171 Data (West

AGE GROUP DISTRIBUTION

West Virginia Population, 1950-1990

Exhibit 2



AGE IN YEARS	1950*	1960*	1970*	1980*	1990*
Under 5 Years	240,107	196,291	138,249	145,583	106,659
5-14 Years	396,369	402,206	335,509	310,291	254,687
15-24 Years	325,990	262,193	301,039	346,892	262,222
25-44 Years	560,833	455,593	383,227	513,022	532,807
45-64 Years	343,727	377,888	391,739	395,988	368,205
65+ Years	138,526	166,250	194,474	237,868	268,897
TOTAL	2,005,552	1,860,421	1,744,237	1,949,644	1,793,477

*Enumerated as of April 1 of the specified year (U.S. Department of Commerce, Bureau of the Census).

WEST VIRGINIA POPULATION CHARACTERISTICS,1990
DISTRIBUTION BY SEX, AGE, AND RACE
Table 2

CHARACTERISTIC	NUMBER	PERCENT
Total	1,793,477	100.0
Sex		
Male	861,536	48.0
Female	931,941	52.0
Age		
Less than 5 Years	106,659	6.0
5-17 Years	336,918	18.8
18-44 Years	712,798	39.7
45-64 Years	368,205	20.5
65+ Years	268,897	15.0
Race		
White	1,725,523	96.2
Black	56,295	3.1
Asian/Pacific Islander	7,459	0.4
American Indian, Eskimo, and Aleutian Islander	2,458	0.1
Other	1,742	0.1
Hispanic Origin*	8,489	0.5

* May be of any race.

AGE GROUP DISTRIBUTION BY COUNTY
WEST VIRGINIA POPULATION, 1990
BOTH SEXES
Table 3

COUNTY OF RESIDENCE	LESS THAN 1 YEAR	1-4 YEARS	5-9 YEARS	10-14 YEARS	15-19 YEARS	20-29 YEARS	30-39 YEARS	40-49 YEARS	50-59 YEARS	60-64 YEARS	65+ YEARS	TOTAL
BARBOUR	179	778	1,075	1,181	1,376	2,198	2,240	1,953	1,444	760	2,515	15,699
BERKELEY	758	3,641	4,331	4,260	4,047	9,119	10,097	7,835	5,491	2,703	6,971	59,253
BOONE	238	1,238	1,728	2,348	2,253	3,168	4,479	3,438	2,474	1,255	3,251	25,870
BRAXTON	129	743	909	954	968	1,544	1,992	1,598	1,269	665	2,227	12,998
BROOKE	223	1,099	1,614	1,962	2,214	3,536	3,984	3,508	2,881	1,546	4,425	26,992
CABELL	933	4,370	5,710	6,315	7,865	14,914	14,162	11,921	9,561	5,229	15,847	96,827
CALHOUN	85	417	632	637	555	968	1,187	1,009	746	406	1,243	7,885
CLAY	121	579	816	935	846	1,268	1,525	1,211	906	494	1,282	9,983
DODDRIDGE	72	341	562	566	523	842	1,049	866	731	308	1,134	6,994
FAYETTE	374	2,117	3,180	4,005	4,096	5,765	7,312	5,809	4,440	2,665	8,189	47,952
GILMER	66	382	524	518	736	1,281	1,017	822	725	349	1,249	7,669
GRANT	123	518	676	816	820	1,394	1,545	1,492	1,018	481	1,545	10,428
GREENBRIER	261	1,698	2,242	2,575	2,470	4,182	5,322	4,649	3,510	1,917	5,867	34,693
HAMPSHIRE	213	937	1,184	1,285	1,256	2,285	2,441	2,168	1,629	839	2,261	16,498
HANCOCK	302	1,527	2,165	2,434	2,653	4,189	5,718	4,481	3,964	2,167	5,633	35,233
HARDY	148	562	690	746	757	1,558	1,639	1,431	1,138	624	1,684	10,977
HARRISON	650	3,429	4,823	4,929	5,194	8,681	10,103	8,775	6,780	3,712	12,295	69,371
JACKSON	305	1,372	1,855	2,052	1,894	3,196	3,914	3,364	3,186	1,320	3,480	25,938
JEFFERSON	473	2,086	2,540	2,520	3,058	5,745	5,804	4,917	3,199	1,481	4,103	35,926
KANAWHA	2,067	10,136	12,949	14,607	13,975	27,106	34,314	27,268	21,055	11,580	32,562	207,619
LEWIS	135	865	1,089	1,289	1,253	2,268	2,576	2,268	1,789	852	2,839	17,223
LINCOLN	241	1,045	1,638	1,898	1,827	2,880	3,367	2,717	2,138	955	2,676	21,382
LOGAN	443	1,991	2,949	4,096	3,894	5,414	7,270	5,370	4,052	2,131	5,422	43,032
MCDOWELL	317	1,854	2,590	3,331	3,155	4,176	5,454	4,183	3,124	1,842	5,207	35,233
MARION	536	2,548	3,519	3,902	4,583	7,462	8,329	7,323	5,384	3,208	10,455	57,249
MARSHALL	373	1,859	2,423	2,720	2,832	4,515	6,069	5,074	3,709	2,093	5,689	37,356
MASON	237	1,235	1,823	2,034	1,829	3,053	4,019	3,307	2,811	1,270	3,560	25,178
MERCER	500	3,026	4,165	4,860	5,347	8,542	9,701	8,378	6,211	3,466	10,784	64,980
MINERAL	296	1,397	1,811	1,940	2,359	3,499	3,864	3,653	2,627	1,333	3,918	26,697
MINGO	375	1,840	2,837	3,280	3,085	4,858	5,555	4,113	2,849	1,444	3,503	33,739

AGE GROUP DISTRIBUTION BY COUNTY
WEST VIRGINIA POPULATION, 1990
BOTH SEXES
Table 3 (cont'd)

COUNTY OF RESIDENCE	LESS THAN 1 YEAR	1-4 YEARS	5-9 YEARS	10-14 YEARS	15-19 YEARS	20-29 YEARS	30-39 YEARS	40-49 YEARS	50-59 YEARS	60-64 YEARS	65+ YEARS	TOTAL
MONONGALIA	726	3,363	4,152	4,258	8,741	17,551	11,597	8,490	5,563	2,825	8,243	75,509
MONROE	107	632	821	911	923	1,499	1,769	1,664	1,290	690	2,100	12,406
MORGAN	115	564	769	850	776	1,544	1,811	1,549	1,379	732	2,039	12,128
NICHOLAS	219	1,514	1,934	2,286	2,163	3,319	4,267	3,419	2,637	1,287	3,730	26,775
OHIO	495	2,477	3,106	3,132	3,845	6,471	7,719	6,095	4,908	3,005	9,618	50,871
PENDLETON	71	459	535	568	491	1,064	1,271	964	787	453	1,391	8,054
PLEASANTS	67	361	549	573	600	991	1,220	1,005	710	374	1,096	7,546
POCAHONTAS	83	458	552	660	531	1,090	1,317	1,162	971	486	1,698	9,008
PRESTON	308	1,545	2,200	2,418	2,206	3,744	4,619	3,726	2,753	1,445	4,073	29,037
PUTNAM	458	2,444	3,183	3,376	3,130	5,640	7,624	6,241	4,213	1,811	4,715	42,835
RALEIGH	603	3,755	5,160	6,486	6,292	8,653	12,498	10,216	7,327	4,072	11,757	76,819
RANDOLPH	223	1,433	1,813	1,973	2,188	3,930	4,302	3,753	2,519	1,281	4,388	27,803
RITCHIE	95	483	715	785	709	1,306	1,544	1,279	1,045	499	1,773	10,233
ROANE	157	705	1,107	1,356	1,141	1,722	2,346	1,940	1,593	709	2,344	15,120
SUMMERS	95	641	919	1,072	952	1,741	2,303	1,712	1,486	797	2,486	14,204
TAYLOR	152	826	1,085	1,120	1,082	1,965	2,360	1,930	1,414	762	2,448	15,144
TUCKER	79	350	511	551	583	989	1,130	1,068	794	380	1,293	7,728
TYLER	108	497	694	731	748	1,196	1,466	1,268	1,081	498	1,509	9,796
UPSHUR	219	1,184	1,645	1,737	2,084	3,426	3,387	2,844	2,062	913	3,366	22,867
WAYNE	401	1,998	2,881	3,367	3,373	5,416	6,340	5,611	4,462	2,069	5,718	41,636
WEBSTER	117	568	776	891	906	1,330	1,589	1,363	1,006	521	1,662	10,729
WETZEL	201	1,001	1,396	1,416	1,540	2,395	2,782	2,550	2,094	1,027	2,856	19,258
WIRT	51	286	404	386	400	681	795	659	558	227	745	5,192
WOOD	979	4,497	5,837	6,110	6,278	11,529	13,589	12,093	8,869	4,261	12,873	86,915
WYOMING	265	1,421	2,081	2,805	2,653	3,513	5,049	3,790	2,850	1,403	3,160	28,990
TOTAL	17,567	89,092	119,874	134,813	142,055	242,311	280,742	231,292	175,212	91,622	268,897	1,793,477

AGE GROUP DISTRIBUTION BY COUNTY
WEST VIRGINIA POPULATION, 1990
MALES
Table 3 (cont'd)

COUNTY OF RESIDENCE	LESS THAN 1 YEAR	1-4 YEARS	5-9 YEARS	10-14 YEARS	15-19 YEARS	20-29 YEARS	30-39 YEARS	40-49 YEARS	50-59 YEARS	60-64 YEARS	65+ YEARS	TOTAL
BARBOUR	92	404	563	611	684	1,042	1,089	967	713	351	988	7,504
BERKELEY	429	1,842	2,236	2,201	2,030	4,489	5,061	4,018	2,752	1,310	3,032	29,400
BOONE	116	675	840	1,202	1,177	1,497	2,199	1,757	1,187	602	1,321	12,573
BRAXTON	62	370	466	468	510	766	969	824	630	337	902	6,304
BROOKE	119	566	859	1,050	1,093	1,782	1,902	1,737	1,362	700	1,765	12,935
CABELL	455	2,296	2,942	3,250	3,841	7,138	6,893	5,762	4,408	2,389	5,955	45,329
CALHOUN	45	221	327	308	295	463	585	523	367	200	534	3,868
CLAY	57	291	427	479	428	598	760	626	452	238	562	4,918
DODDRIDGE	43	174	281	296	285	414	509	450	364	162	486	3,464
FAYETTE	189	1,094	1,618	2,058	2,181	2,949	3,572	2,905	2,042	1,188	3,194	22,990
GILMER	29	196	282	286	371	682	494	413	365	170	516	3,804
GRANT	62	273	380	408	424	700	732	771	502	245	635	5,132
GREENBRIER	127	880	1,155	1,317	1,245	2,103	2,615	2,347	1,610	900	2,320	16,619
HAMPSHIRE	112	490	616	672	672	1,122	1,206	1,049	809	417	1,007	8,172
HANCOCK	161	774	1,113	1,222	1,367	2,044	2,783	2,214	1,865	1,036	2,293	16,872
HARDY	71	276	345	356	400	802	802	736	572	299	749	5,408
HARRISON	333	1,733	2,524	2,491	2,738	4,244	4,889	4,345	3,125	1,669	4,801	32,892
JACKSON	170	717	988	1,096	952	1,542	1,922	1,607	1,557	655	1,488	12,694
JEFFERSON	237	1,053	1,322	1,314	1,576	2,789	2,838	2,490	1,643	717	1,710	17,689
KANAWHA	1,076	5,147	6,780	7,567	7,174	12,891	16,539	13,226	9,643	5,164	12,704	97,911
LEWIS	74	469	556	714	653	1,139	1,289	1,114	844	389	1,138	8,379
LINCOLN	120	512	858	968	952	1,424	1,646	1,351	1,040	444	1,190	10,505
LOGAN	233	1,044	1,502	2,125	2,011	2,575	3,515	2,716	1,819	981	2,211	20,732
MCDOWELL	158	910	1,274	1,676	1,592	1,923	2,655	2,123	1,425	806	2,042	16,584
MARION	276	1,298	1,767	1,929	2,242	3,628	4,135	3,585	2,495	1,412	3,927	26,694
MARSHALL	204	961	1,230	1,371	1,451	2,228	3,075	2,544	1,786	961	2,314	18,125
MASON	122	660	961	1,034	935	1,457	1,939	1,681	1,362	605	1,480	12,236
MERCER	257	1,592	2,146	2,465	2,646	4,133	4,604	4,148	2,851	1,565	4,040	30,447
MINERAL	140	736	909	966	1,289	1,740	1,830	1,829	1,304	629	1,558	12,930
MINGO	208	942	1,421	1,684	1,619	2,335	2,707	2,113	1,333	668	1,440	16,470

AGE GROUP DISTRIBUTION BY COUNTY
WEST VIRGINIA POPULATION, 1990
MALES
Table 3 (cont'd)

COUNTY OF RESIDENCE	LESS THAN 1 YEAR	1-4 YEARS	5-9 YEARS	10-14 YEARS	15-19 YEARS	20-29 YEARS	30-39 YEARS	40-49 YEARS	50-59 YEARS	60-64 YEARS	65+ YEARS	TOTAL
MONONGALIA	387	1,705	2,101	2,174	4,581	9,238	5,854	4,256	2,724	1,266	3,187	37,473
MONROE	50	323	420	458	457	769	889	805	638	327	882	6,018
MORGAN	56	274	394	429	395	782	894	778	671	336	881	5,890
NICHOLAS	107	783	1,007	1,201	1,112	1,608	2,108	1,721	1,275	599	1,593	13,114
OHIO	245	1,277	1,560	1,633	1,919	3,114	3,734	2,981	2,235	1,337	3,613	23,648
PENDLETON	39	225	263	309	267	541	648	490	394	221	621	4,018
PLEASANTS	32	197	292	306	313	475	602	517	340	169	425	3,668
POCAHONTAS	39	251	308	364	276	518	664	595	494	220	758	4,487
PRESTON	167	819	1,139	1,251	1,148	1,831	2,285	1,915	1,363	690	1,710	14,318
PUTNAM	241	1,238	1,624	1,744	1,604	2,705	3,734	3,090	2,082	913	1,998	20,973
RALEIGH	295	1,962	2,596	3,343	3,234	4,010	6,006	5,087	3,374	1,828	4,459	36,194
RANDOLPH	108	717	950	1,008	1,121	2,091	2,182	1,919	1,297	609	1,726	13,728
RITCHIE	53	238	360	396	350	663	773	629	536	242	729	4,969
ROANE	74	363	605	721	608	827	1,129	988	788	360	983	7,446
SUMMERS	47	340	470	588	462	704	966	790	659	373	997	6,396
TAYLOR	67	435	580	609	560	974	1,175	980	654	366	926	7,326
TUCKER	39	164	256	273	339	493	565	554	396	171	503	3,753
TYLER	56	250	353	372	421	570	728	632	517	236	670	4,805
UPSHUR	118	610	853	919	1,077	1,685	1,688	1,412	1,021	414	1,379	11,176
WAYNE	199	1,024	1,478	1,759	1,730	2,621	3,041	2,737	2,190	955	2,373	20,107
WEBSTER	56	290	387	441	470	649	776	693	477	236	729	5,204
WETZEL	107	485	735	717	765	1,145	1,348	1,267	1,039	488	1,157	9,253
WIRT	24	143	205	206	200	333	389	327	297	102	317	2,543
WOOD	506	2,254	3,026	3,155	3,202	5,553	6,595	5,841	4,274	1,981	4,959	41,346
WYOMING	141	745	1,072	1,434	1,343	1,658	2,464	1,942	1,335	670	1,299	14,103
TOTAL	9,030	45,708	61,722	69,394	72,787	118,196	136,991	114,917	83,297	42,318	107,176	861,536

AGE GROUP DISTRIBUTION BY COUNTY
WEST VIRGINIA POPULATION, 1990
FEMALES
Table 3 (cont'd)

COUNTY OF RESIDENCE	LESS THAN 1 YEAR	1-4 YEARS	5-9 YEARS	10-14 YEARS	15-19 YEARS	20-29 YEARS	30-39 YEARS	40-49 YEARS	50-59 YEARS	60-64 YEARS	65+ YEARS	TOTAL
BARBOUR	87	374	512	570	692	1,156	1,151	986	731	409	1,527	8,195
BERKELEY	329	1,799	2,095	2,059	2,017	4,630	5,036	3,817	2,739	1,393	3,939	29,853
BOONE	122	563	888	1,146	1,076	1,671	2,280	1,681	1,287	653	1,930	13,297
BRAXTON	67	373	443	486	458	778	1,023	774	639	328	1,325	6,694
BROOKE	104	533	755	912	1,121	1,754	2,082	1,771	1,519	846	2,660	14,057
CABELL	478	2,074	2,768	3,065	4,024	7,776	7,269	6,159	5,153	2,840	9,892	51,498
CALHOUN	40	196	305	329	260	505	602	486	379	206	709	4,017
CLAY	64	288	389	456	418	670	765	585	454	256	720	5,065
DODDRIDGE	29	167	281	270	238	428	540	416	367	146	648	3,530
FAYETTE	185	1,023	1,562	1,947	1,915	2,816	3,740	2,904	2,398	1,477	4,995	24,962
GILMER	37	186	242	232	365	599	523	409	360	179	733	3,865
GRANT	61	245	296	408	396	694	813	721	516	236	910	5,296
GREENBRIER	134	818	1,087	1,258	1,225	2,079	2,707	2,302	1,900	1,017	3,547	18,074
HAMPSHIRE	101	447	568	613	584	1,163	1,235	1,119	820	422	1,254	8,326
HANCOCK	141	753	1,052	1,212	1,286	2,145	2,935	2,267	2,099	1,131	3,340	18,361
HARDY	77	286	345	390	357	756	837	695	566	325	935	5,569
HARRISON	317	1,696	2,299	2,438	2,456	4,437	5,214	4,430	3,655	2,043	7,494	36,479
JACKSON	135	655	867	956	942	1,654	1,992	1,757	1,629	665	1,992	13,244
JEFFERSON	236	1,033	1,218	1,206	1,482	2,956	2,966	2,427	[illegible]	764	2,393	18,237
KANAWHA	991	4,989	6,169	7,040	6,801	14,215	17,775	14,042	11,412	6,416	19,858	109,708
LEWIS	61	396	533	575	600	1,129	1,287	1,154	945	463	1,701	8,844
LINCOLN	121	533	780	930	875	1,456	1,721	1,366	1,098	511	1,486	10,877
LOGAN	210	947	1,447	1,971	1,883	2,839	3,755	2,654	2,233	1,150	3,211	22,300
MCDOWELL	159	944	1,316	1,655	1,563	2,253	2,799	2,060	1,699	1,036	3,165	18,649
MARION	260	1,250	1,752	1,973	2,341	3,834	4,194	3,738	2,889	1,796	6,528	30,555
MARSHALL	169	898	1,193	1,349	1,381	2,287	2,994	2,530	1,923	1,132	3,375	19,231
MASON	115	575	862	1,000	894	1,596	2,080	1,626	1,449	665	2,080	12,942
MERCER	243	1,434	2,019	2,395	2,701	4,409	5,097	4,230	3,360	1,901	6,744	34,533
MINERAL	156	661	902	974	1,070	1,759	2,034	1,824	1,323	704	2,360	13,767
MINGO	167	898	1,416	1,596	1,466	2,523	2,848	2,000	1,516	776	2,063	17,269

AGE GROUP DISTRIBUTION BY COUNTY
WEST VIRGINIA POPULATION, 1990
FEMALES
Table 3 (cont'd)

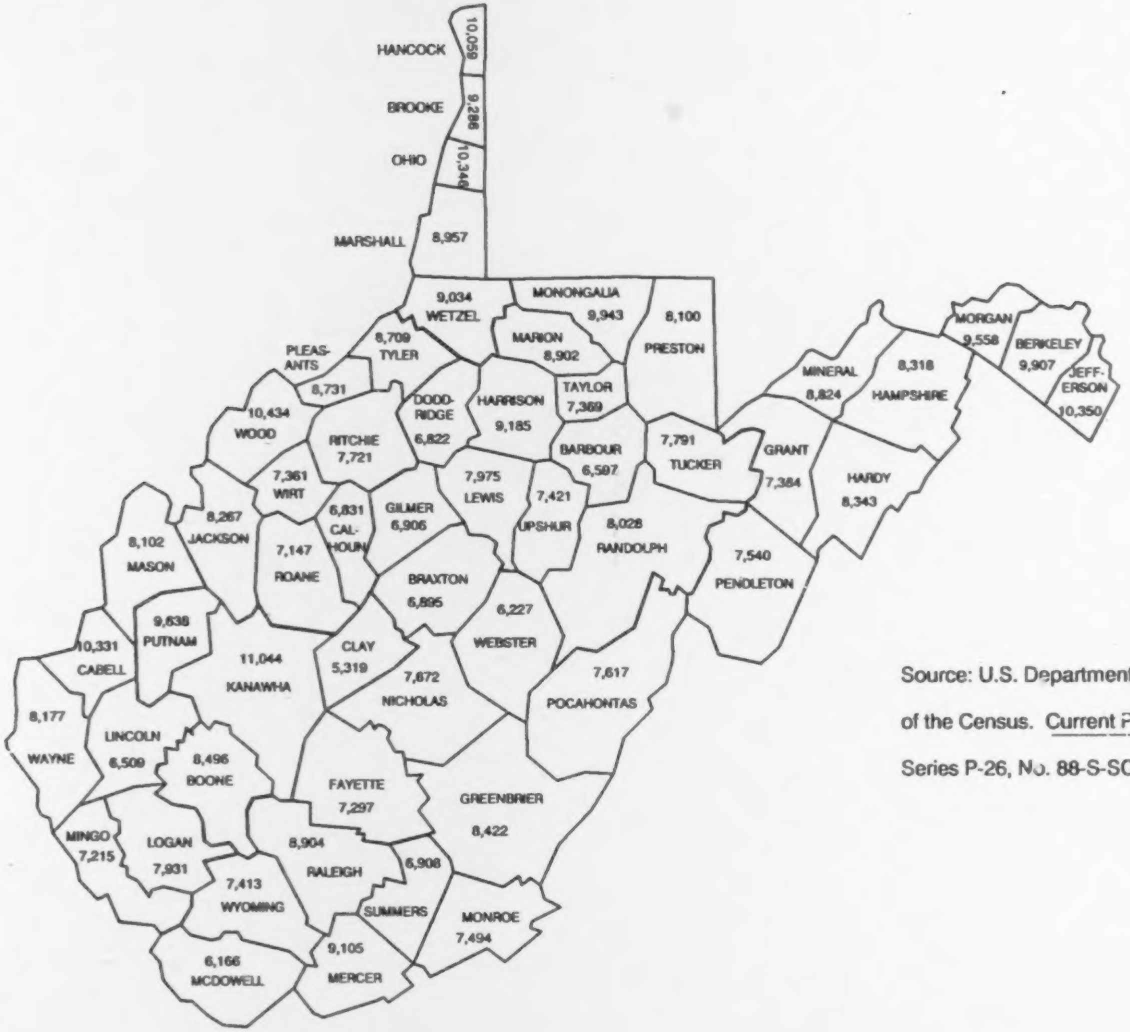
COUNTY OF RESIDENCE	LESS THAN 1 YEAR	1-4 YEARS	5-9 YEARS	10-14 YEARS	15-19 YEARS	20-29 YEARS	30-39 YEARS	40-49 YEARS	50-59 YEARS	60-64 YEARS	65+ YEARS	TOTAL
MONONGALIA	339	1,658	2,051	2,084	4,160	8,313	5,743	4,234	2,839	1,559	5,056	38,036
MONROE	57	309	401	453	466	730	880	859	652	363	1,218	6,388
MORGAN	59	290	375	421	381	762	917	771	708	396	1,158	6,238
NICHOLAS	112	731	927	1,085	1,051	1,711	2,159	1,698	1,362	688	2,137	13.661
OHIO	250	1,200	1,546	1,499	1,926	3,357	3,985	3,114	2,673	1,668	6,005	27,223
PENDLETON	32	234	272	259	224	523	623	474	393	232	770	4,036
PLEASANTS	35	164	257	267	287	516	618	488	370	205	671	3,878
POCAHONTAS	44	207	244	296	255	572	653	567	477	266	940	4,521
PRESTON	141	726	1,061	1,167	1,058	1,913	2,334	1,811	1,390	755	2,363	14,719
PUTNAM	217	1,206	1,559	1,632	1,526	2,935	3,890	3,151	2,131	898	2,717	21,862
RALEIGH	308	1,793	2,564	3,143	3,058	4,643	6,492	5,129	3,953	2,244	7,298	40,625
RANDOLPH	115	716	863	965	1,067	1,839	2,120	1,834	1,222	672	2,662	14,075
RITCHIE	42	245	355	389	359	643	771	650	509	257	1,044	5,264
ROANE	83	342	502	635	533	895	1,217	952	805	349	1,361	7,674
SUMMERS	48	301	449	484	490	1,037	1,337	922	827	424	1,489	7,808
TAYLOR	85	391	505	511	522	991	1,185	950	760	396	1,522	7,818
TUCKER	40	186	255	278	244	496	565	514	398	209	790	3,975
TYLER	52	247	341	359	327	626	738	636	564	262	839	4,991
UPSHUR	101	574	792	818	1,007	1,741	1,699	1,432	1,041	499	1,987	11,691
WAYNE	202	974	1,403	1,608	1,643	2,795	3,299	2,874	2,272	1,114	3,345	21,529
WEBSTER	61	278	389	450	436	681	813	670	529	285	933	5,525
WETZEL	94	516	661	699	775	1,250	1,434	1,283	1,055	539	1,699	10,005
WIRT	27	143	199	180	200	348	406	332	261	125	428	2,649
WOOD	473	2,243	2,811	2,955	3,076	5,976	6,994	6,252	4,595	2,280	7,914	45,569
WYOMING	124	676	1,009	1,371	1,310	1,855	2,585	1,848	1,515	733	1,861	14,887
TOTAL	8,537	43,384	58,152	65,419	69,268	124,115	143,751	116,375	91,915	49,304	161,721	931,941

Source: Census of Population and Housing, 1990: Summary Tape File 1 West Virginia/Prepared by the Bureau of the Census. Washington: Bureau of the Census [Producer and Distributor], 1991.

PER CAPITA INCOME BY COUNTY

West Virginia, 1987

Exhibit 3


HANCOCK
10,059
BROOKE
9,286
OHIO
10,346
MARSHALL
8,957
9,034
WETZEL
MONONGALIA
9,943
8,100
PRESTON
MARION
8,902
8,709
TYLER
PLEAS-
ANTS
8,731
TAYLOR
7,369
DODD-
RIDGE
6,822
HARRISON
9,185
10,434
WOOD
RITCHIE
7,721
BARBOUR
6,597
7,791
TUCKER
MORGAN
9,558
BERKELEY
9,907
JEFF-
ERSON
10,350
MINERAL
8,824
8,318
HAMPSHIRE
GRANT
7,384
HARDY
8,343
7,361
WIRT
7,975
LEWIS
7,421
UPSHUR
6,831
CAL-
HOUN
GILMER
6,906
8,267
JACKSON
8,102
MASON
7,147
ROANE
8,028
RANDOLPH
7,540
PENDLETON
BRAXTON
6,895
6,227
WEBSTER
9,638
PUTNAM
10,331
CABELL
11,044
KANAWHA
CLAY
5,319
7,672
NICHOLAS
7,617
POCAHONTAS
8,177
WAYNE
LINCOLN
6,509
8,496
BOONE
FAYETTE
7,297
GREENBRIER
8,422
MINGO
7,215
LOGAN
7,931
8,904
RALEIGH
6,908
SUMMERS
7,413
WYOMING
MONROE
7,494
6,166
MCDOWELL
9,105
MERCER

Source: U.S. Department of Commerce, Bureau of the Census. Current Population Reports. Series P-26, No. 88-S-SC. 1990.

BIRTHS, DEATHS, NATURAL INCREASE, AND NET MIGRATION
WEST VIRGINIA POPULATION, 1940-1990
Table 4

YEAR	POPULATION	# OF BIRTHS	# OF DEATHS	NATURAL INCREASE	NET MIGRATION	% CHANGE
1940	1,901,974 A	41,900	17,577	24,323	(9,349)	-0.50%
1941	1,885,000	43,490	17,783	25,707	(42,681)	-2.24%
1942	1,831,000	43,956	16,958	26,998	(80,998)	-4.30%
1943	1,741,000	43,911	17,363	26,548	(116,548)	-6.37%
1944	1,706,000	40,917	16,654	24,263	(59,263)	-3.40%
1945	1,708,000	38,446	16,464	21,982	(19,982)	-1.17%
1946	1,826,000	48,122	16,084	32,038	85,962	5.03%
1947	1,883,000	54,170	17,188	36,982	20,018	1.10%
1948	1,899,000	52,195	17,626	34,569	(18,569)	-0.99%
1949	1,930,000	52,370	17,211	35,159	(4,159)	-0.22%
1950	2,005,552 A	50,850	17,459	33,391	42,161	2.18%
1951	1,984,000	50,920	17,058	33,862	(55,414)	-2.76%
1952	1,957,000	49,461	17,174	32,287	(59,287)	-2.99%
1953	1,929,000	46,652	16,685	29,967	(57,967)	-2.96%
1954	1,905,000	46,599	16,150	30,449	(54,449)	-2.82%
1955	1,880,000	44,199	16,712	27,487	(52,487)	-2.76%
1956	1,857,000	44,220	16,920	27,300	(50,300)	-2.68%
1957	1,843,000	44,362	17,808	26,554	(40,554)	-2.18%
1958	1,845,000	44,428	17,665	26,763	(24,763)	-1.34%
1959	1,855,000	42,235	17,677	24,558	(14,558)	-0.79%
1960 B	1,860,421 A	39,696	18,040	21,656	(16,235)	-0.88%
1961	1,828,000	38,866	17,980	20,886	(53,307)	-2.87%
1962	1,809,000	37,269	18,651	18,618	(37,618)	-2.06%
1963	1,796,000	35,573	19,405	16,168	(29,168)	-1.61%
1964	1,797,000	35,653	18,750	16,903	(15,903)	-0.89%
1965	1,786,000	31,958	19,121	12,837	(23,837)	-1.33%
1966	1,775,000	30,084	19,339	10,745	(21,745)	-1.22%
1967	1,769,000	29,301	19,257	10,044	(16,044)	-0.90%
1968	1,763,000	29,126	19,647	9,479	(15,479)	-0.88%
1969	1,746,000	28,645	19,696	8,949	(25,949)	-1.47%
1970	1,744,237 A	30,194	19,924	10,270	(12,033)	-0.69%
1971	1,768,000	31,038	19,619	11,419	12,344	0.71%
1972	1,795,000	29,200	20,583	8,617	18,383	1.04%
1973	1,782,000	27,459	20,020	7,439	(20,439)	-1.14%
1974	1,784,000	27,636	19,395	8,241	(6,241)	-0.35%
1975	1,803,000	27,960	19,479	8,481	10,519	0.59%
1976	1,833,000	28,586	19,660	8,926	21,074	1.17%
1977	1,853,000	30,020	19,201	10,819	9,181	0.50%
1978	1,860,000	28,950	19,351	9,599	(2,599)	-0.14%
1979	1,878,000	29,726	18,871	10,855	7,145	0.38%
1980	1,949,644 A	29,438	19,178	10,260	61,384	3.27%
1981	1,954,000	27,810	19,039	8,771	(4,415)	-0.23%
1982	1,957,000	27,263	18,976	8,287	(5,287)	-0.27%
1983	1,965,000	25,875	19,293	6,582	1,418	0.07%
1984	1,952,000	24,551	19,182	5,369	(18,369)	-0.93%
1985	1,936,000	24,108	19,425	4,683	(20,683)	-1.06%
1986	1,919,000	23,179	19,859	3,320	(20,320)	-1.05%
1987	1,898,000	22,424	19,763	2,661	(23,661)	-1.23%
1988	1,877,000	21,849	19,780	2,069	(23,069)	-1.22%
1989 C	1,857,000	22,067	19,525	2,542	(22,542)	-1.20%
1990	1,793,477 A	22,582	19,360	3,222	(66,745)	-3.59%

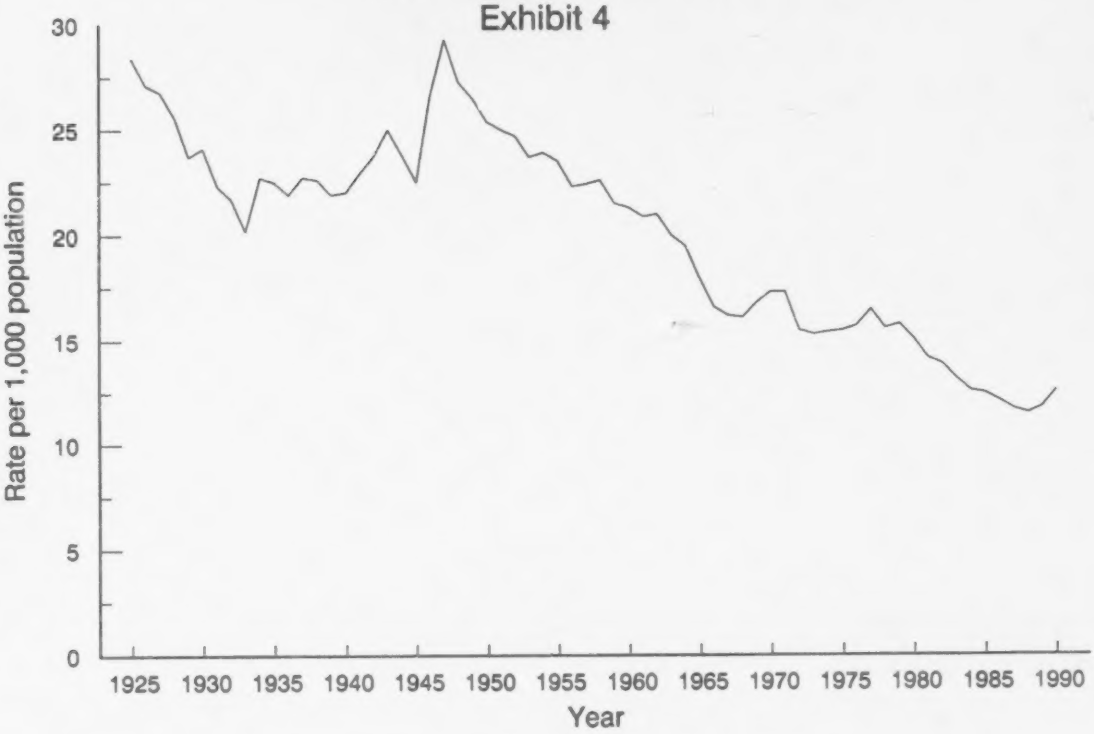
A Enumerated as of April 1 of the specified year. (U.S. Department of Commerce, Bureau of the Census).

B Source of data 1940 through 1960: U.S. Department of Health, Education, and Welfare, Public Health Service. Vital Statistics Rates in the United States, 1940-1960.

C Source of data 1961 through 1989: U.S. Department of Commerce, Bureau of the Census. Current Population Reports. Series P-25 and P-26.

BIRTHS

NUMBER AND RATE OF RESIDENT BIRTHS
West Virginia, 1925-1990
Exhibit 4

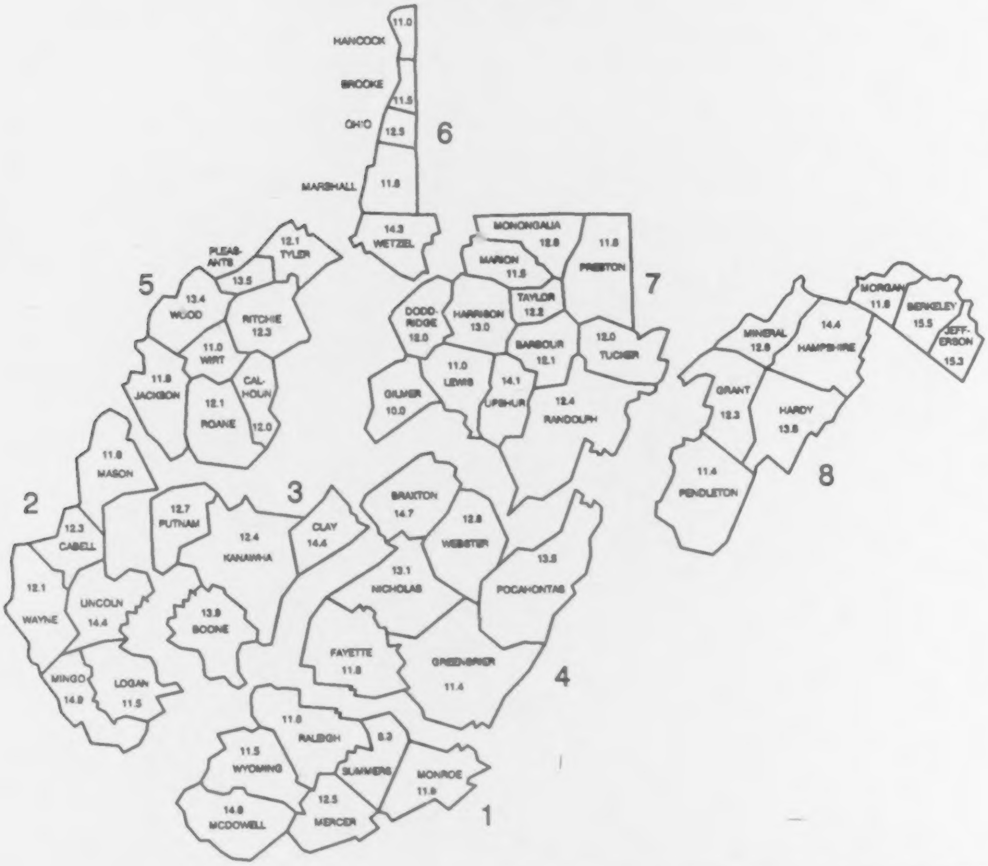


YEAR	NUMBER OF LIVE BIRTHS	RATE PER 1,000 POPULATION
1925	45,240	28.4
1930	41,614	24.1
1935	41,775	22.5
1940	41,900	22.0
1945	38,446	22.5
1950	50,850	25.4
1955	44,199	23.5
1960	39,696	21.3
1965	31,958	17.9
1970	30,194	17.3
1975	27,960	15.5
1980	29,438	15.1
1981	27,810	14.2
1982	27,263	13.9
1983	25,875	13.2
1984	24,551	12.6
1985	24,108	12.5
1986	23,179	12.1
1987	22,424	11.7
1988	21,849	11.5
1989	22,067	11.8
1990	22,582	12.6

SUMMARY TOTALS
WEST VIRGINIA RESIDENT BIRTHS, 1990
Table 5

	NUMBER	PERCENTAGE OF TOTAL
TOTAL	22,582	100.0
SEX		
Male	11,602	51.4
Female	10,980	48.6
RACE		
White	21,595	95.6
Black	863	3.8
Other	124	0.5
ATTENDANT AT BIRTH		
Physician	21,742	96.3
Certified Nurse Midwife	230	1.0
Lay Midwife	25	0.1
EMT/Paramedic	17	0.1
All Other	568	2.5
PLACE OF BIRTH		
Hospital	22,393	99.2
Freestanding Birthing Center	74	0.3
Home	88	0.4
Enroute to Hospital	22	0.1
Other	5	0.0
MOTHER'S MARITAL STATUS		
White	21,595	95.6
Married	16,451	76.2
Not Married	5,144	23.8
Black	863	3.8
Married	277	32.1
Not Married	586	67.9
Other	124	0.5
Married	115	92.7
Not Married	9	7.3

BIRTH RATES* BY DISTRICT AND COUNTY
West Virginia Resident Births, 1990
Exhibit 5


HANCOCK 11.0
BROOKE 11.5
OHIO 12.5
MARSHALL 11.8
6
14.3 WETZEL
12.1 TYLER
PLEAS-ANTS 13.5
5
13.4 WOOD
RITCHIE 12.3
11.0 WIRT
11.8 JACKSON
CAL-HOUN 12.0
12.1 ROANE
MONONGALIA 12.8
11.8 PRESTON
MARION 11.8
TAYLOR 12.2
7
DODD-RIDGE 12.0
HARRISON 13.0
BARBOUR 12.1
12.0 TUCKER
11.0 LEWIS
GILMER 10.0
14.1 UPSHUR
12.4 RANDOLPH
MORGAN 11.8
BERKELEY 15.5
JEFF-ERSON 15.3
MINERAL 12.8
14.4 HAMPSHIRE
GRANT 12.3
HARDY 13.8
11.4 PENDLETON
8
11.8 MASON
2
12.3 CABELL
12.7 PUTNAM
3
12.4 KANAWHA
CLAY 14.4
BRAXTON 14.7
12.8 WEBSTER
13.1 NICHOLAS
13.8 POCAHONTAS
12.1 WAYNE
LINCOLN 14.4
13.9 BOONE
FAYETTE 11.8
GREENBRIER 11.4
4
MINGO 14.9
LOGAN 11.5
11.8 RALEIGH
8.2 SUMMERS
11.5 WYOMING
MONROE 11.8
1
14.8 MCDOWELL
12.5 MERCER

* Rate per 1,000 population

DISTRICT*	1990 POPULATION	NUMBER OF LIVE BIRTHS	RATE
1	232,632	2,813	12.1
2	261,794	3,294	12.6
3	286,307	3,617	12.6
4	142,155	1,764	12.4
5	168,625	2,150	12.8
6	169,710	2,051	12.1
7	352,293	4,341	12.3
8	179,961	2,552	14.2
TOTAL	1,793,477	22,582	12.6

*Public Health Management Districts, also called Regional Education Service Agencies (RESA Regions).

NUMBER OF BIRTHS BY COUNTY OF RESIDENCE AND OCCURRENCE
BIRTH RATE BY COUNTY OF RESIDENCE
WEST VIRGINIA, 1990
Table 6

COUNTY	RESIDENCE		OCCURRENCE	COUNTY	RESIDENCE		OCCURRENCE
	NUMBER	RATE			NUMBER	RATE	
BARBOUR	190	12.1	2	MONONGALIA	951	12.6	1,766
BERKELEY	921	15.5	958	MONROE	139	11.2	3
BOONE	360	13.9	0	MORGAN	141	11.6	1
BRAXTON	191	14.7	2	NICHOLAS	351	13.1	277
BROOKE	309	11.4	378	OHIO	638	12.5	1,922
CABELL	1,191	12.3	3,009	PENDLETON	92	11.4	0
CALHOUN	95	12.0	74	PLEASANTS	102	13.5	0
CLAY	144	14.4	1	POCAHONTAS	122	13.5	4
DODDRIDGE	84	12.0	1	PRESTON	344	11.8	187
FAYETTE	568	11.8	4	PUTNAM	543	12.7	67
GILMER	77	10.0	0	RALEIGH	892	11.6	1,641
GRANT	128	12.3	325	RANDOLPH	345	12.4	590
GREENBRIER	395	11.4	509	RITCHIE	126	12.3	3
HAMPSHIRE	237	14.4	0	ROANE	183	12.1	160
HANCOCK	389	11.0	0	SUMMERS	122	8.6	12
HARDY	149	13.6	0	TAYLOR	185	12.2	1
HARRISON	900	13.0	1,103	TUCKER	93	12.0	1
JACKSON	302	11.6	46	TYLER	119	12.1	4
JEFFERSON	548	15.3	193	UPSHUR	322	14.1	338
KANAWHA	2,570	12.4	4,111	WAYNE	503	12.1	1
LEWIS	189	11.0	222	WEBSTER	137	12.8	2
LINCOLN	308	14.4	0	WETZEL	276	14.3	260
LOGAN	495	11.5	795	WIRT	57	11.0	0
MCDOWELL	514	14.6	325	WOOD	1,166	13.4	1,463
MARION	661	11.5	700	WYOMING	334	11.5	1
MARSHALL	439	11.8	246				
MASON	293	11.6	295	TOTAL	22,582	12.6	23,638
MERCER	812	12.5	1,415				
MINERAL	336	12.6	4				
MINGO	504	14.9	216				

NUMBER OF BIRTHS BY COUNTY OF RESIDENCE
WEST VIRGINIA, 1986-1990
Table 7

COUNTY	1986	1987	1988	1989	1990	COUNTY	1986	1987	1988	1989	1990
BARBOUR	215	167	189	216	190	MONONGALIA	887	916	862	840	951
BERKELEY	785	821	861	915	921	MONROE	155	156	151	147	139
BOONE	375	309	315	263	360	MORGAN	111	122	145	146	141
BRAXTON	180	196	181	159	191	NICHOLAS	381	361	326	322	351
BROOKE	247	268	245	244	309	OHIO	672	659	676	604	638
CABELL	1,203	1,124	1,129	1,167	1,191	PENDLETON	109	113	114	102	92
CALHOUN	129	95	103	88	95	PLEASANTS	78	77	91	76	102
CLAY	189	153	138	134	144	POCAHONTAS	100	117	105	110	122
DODDRIDGE	75	69	51	74	84	PRESTON	392	358	384	350	344
FAYETTE	608	585	536	543	568	PUTNAM	578	542	515	558	543
GILMER	97	98	89	80	77	RALEIGH	916	865	853	812	892
GRANT	127	120	121	144	128	RANDOLPH	351	376	343	370	345
GREENBRIER	422	394	400	406	395	RITCHIE	121	113	110	109	126
HAMPSHIRE	192	216	187	247	237	ROANE	190	177	189	192	183
HANCOCK	369	374	330	344	389	SUMMERS	149	143	130	138	122
HARDY	115	111	148	162	149	TAYLOR	193	186	204	197	185
HARRISON	991	912	827	802	900	TUCKER	86	74	72	86	93
JACKSON	348	314	318	323	302	TYLER	147	110	102	130	119
JEFFERSON	511	531	530	558	548	UPSHUR	341	289	279	261	322
KANAWHA	2,721	2,732	2,557	2,631	2,570	WAYNE	523	505	497	511	503
LEWIS	233	208	207	201	189	WEBSTER	142	154	126	144	137
LINCOLN	291	298	276	281	308	WETZEL	299	244	257	247	276
LOGAN	576	519	531	562	495	WIRT	82	66	73	64	57
MCDOWELL	620	575	523	530	514	WOOD	1,131	1,137	1,127	1,126	1,166
MARION	650	696	657	665	661	WYOMING	380	343	340	370	334
MARSHALL	472	423	468	448	439						
MASON	284	307	314	264	293	TOTAL	23,179	22,424	21,849	22,067	22,582
MERCER	793	778	756	783	812						
MINERAL	302	337	324	320	336						
MINGO	545	491	467	501	504						

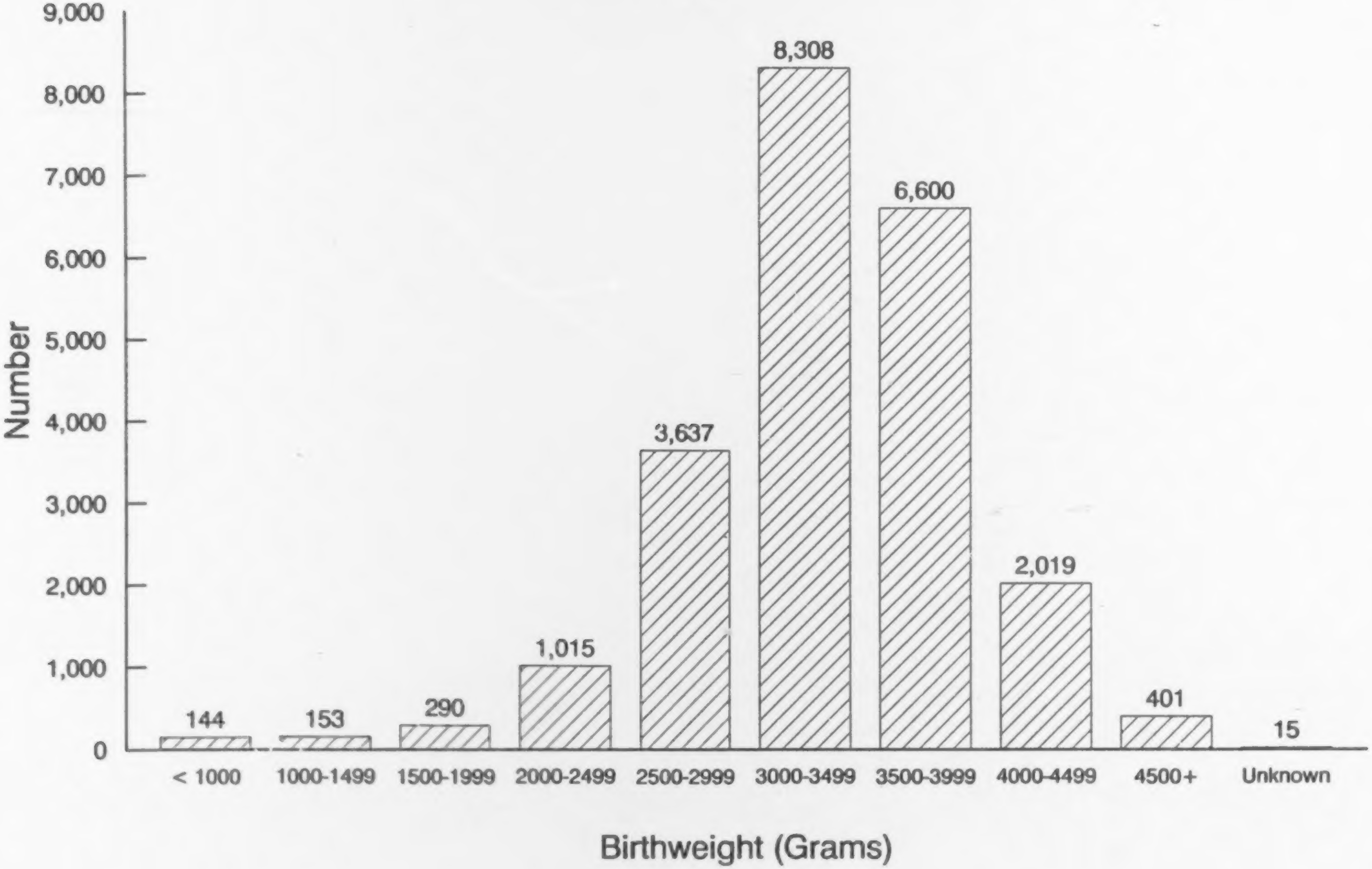
BIRTHWEIGHT BY AGE OF MOTHER
WEST VIRGINIA RESIDENT BIRTHS, 1990
Table 8

BIRTHWEIGHT	AGE OF MOTHER										
	10-14 YEARS	15-17 YEARS	18-19 YEARS	20-24 YEARS	25-29 YEARS	30-34 YEARS	35-39 YEARS	40-44 YEARS	45 AND OVER	UNKNOWN	TOTAL
LESS THAN 1,000 GRAMS (LESS THAN 2.205 LBS)	1	11	28	38	38	18	8	2	0	0	144
1,000 - 1,499 GRAMS (2.205 - 3.305 LBS.)	0	20	23	43	41	19	7	0	0	0	153
1,500 - 1,999 GRAMS (3.307 - 4.407 LBS.)	3	30	38	90	78	40	8	2	0	1	290
2,000 - 2,499 GRAMS (4.409 - 5.509 LBS.)	8	72	142	301	265	164	56	5	2	0	1,015
2,500 - 2,999 GRAMS (5.512 - 6.612 LBS.)	16	259	460	1,247	977	492	161	22	2	1	3,637
3,000 - 3,499 GRAMS (6.614 - 7.714 LBS.)	17	486	1,071	2,739	2,269	1,248	420	51	2	5	8,308
3,500 - 3,999 GRAMS (7.716 - 8.816 LBS.)	8	351	684	2,132	1,870	1,142	359	51	1	2	6,600
4,000 - 4,499 GRAMS (8.819 - 9.919 LBS.)	2	77	191	603	617	379	127	23	0	0	2,019
4,500 OR MORE GRAMS (9.921 OR MORE LBS.)	1	10	30	136	123	59	36	6	0	0	401
UNKNOWN	0	0	1	2	3	7	1	1	0	0	15
TOTAL	56	1,316	2,668	7,331	6,281	3,568	1,183	163	7	9	22,582

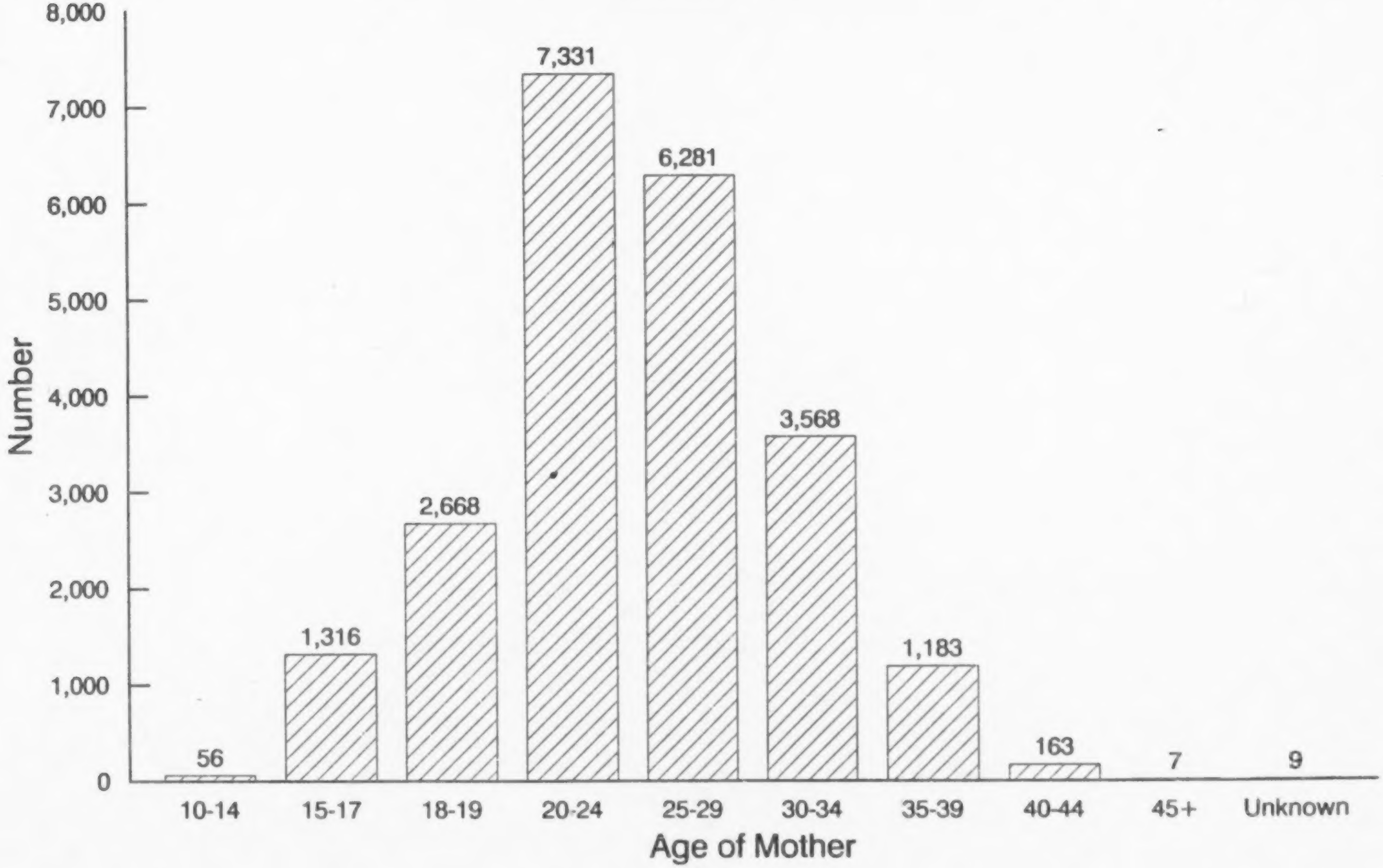
BIRTHWEIGHT BY GESTATIONAL AGE
WEST VIRGINIA RESIDENT BIRTHS, 1990
Table 9

WEEKS OF GESTATION	BIRTHWEIGHT				
	LESS THAN 1,500 GRAMS	1,500-2,499 GRAMS	2,500 GRAMS OR MORE	UNKNOWN	TOTAL
TOTAL	297	1,305	20,965	15	22,582
< 37 WEEKS	255	654	1,362	5	2,276
37+ WEEKS	13	593	18,825	2	19,433
UNKNOWN	29	58	778	8	873

BIRTHWEIGHT IN GRAMS
West Virginia Resident Births, 1990
Exhibit 6



AGE OF MOTHER
West Virginia Resident Births, 1990
Exhibit 7



SELECTED FACTORS BY RACE
WEST VIRGINIA RESIDENT BIRTHS, 1990
Table 10

FACTOR	WHITE		BLACK		OTHER		TOTAL	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL BIRTHS	21,595	95.6	863	3.8	124	0.5	22,582	100.0
LOW BIRTHWEIGHT								
TOTAL LOW BIRTHWEIGHT	1,481	6.9	114	13.2	7	5.6	1,602	7.1
MOTHERS < 20 YEARS	346	1.6	30	3.5	0	0.0	376	1.7
MATERNAL AGE								
MOTHERS < 20 YEARS	3,838	17.8	201	23.3	1	0.8	4,040	17.9
MOTHERS < 15 YEARS	44	0.2	12	1.4	0	0.0	56	0.2
BIRTHS WITH KNOWN PRENATAL CARE								
1ST TRIMESTER CARE	15,601	74.3	417	51.1	81	68.1	16,099	73.4
2ND TRIMESTER CARE	4,283	20.4	280	34.3	28	23.5	4,591	20.9
3RD TRIMESTER CARE	870	4.1	79	9.7	8	6.7	957	4.4
NO PRENATAL CARE	245	1.2	40	4.9	2	1.7	287	1.3
GESTATIONAL AGE								
37+ WEEKS	18,659	86.4	661	76.6	113	91.1	19,433	86.1
< 37 WEEKS	2,126	9.8	144	16.7	6	4.8	2,276	10.1
UNKNOWN	810	3.8	58	6.7	5	4.0	873	3.9

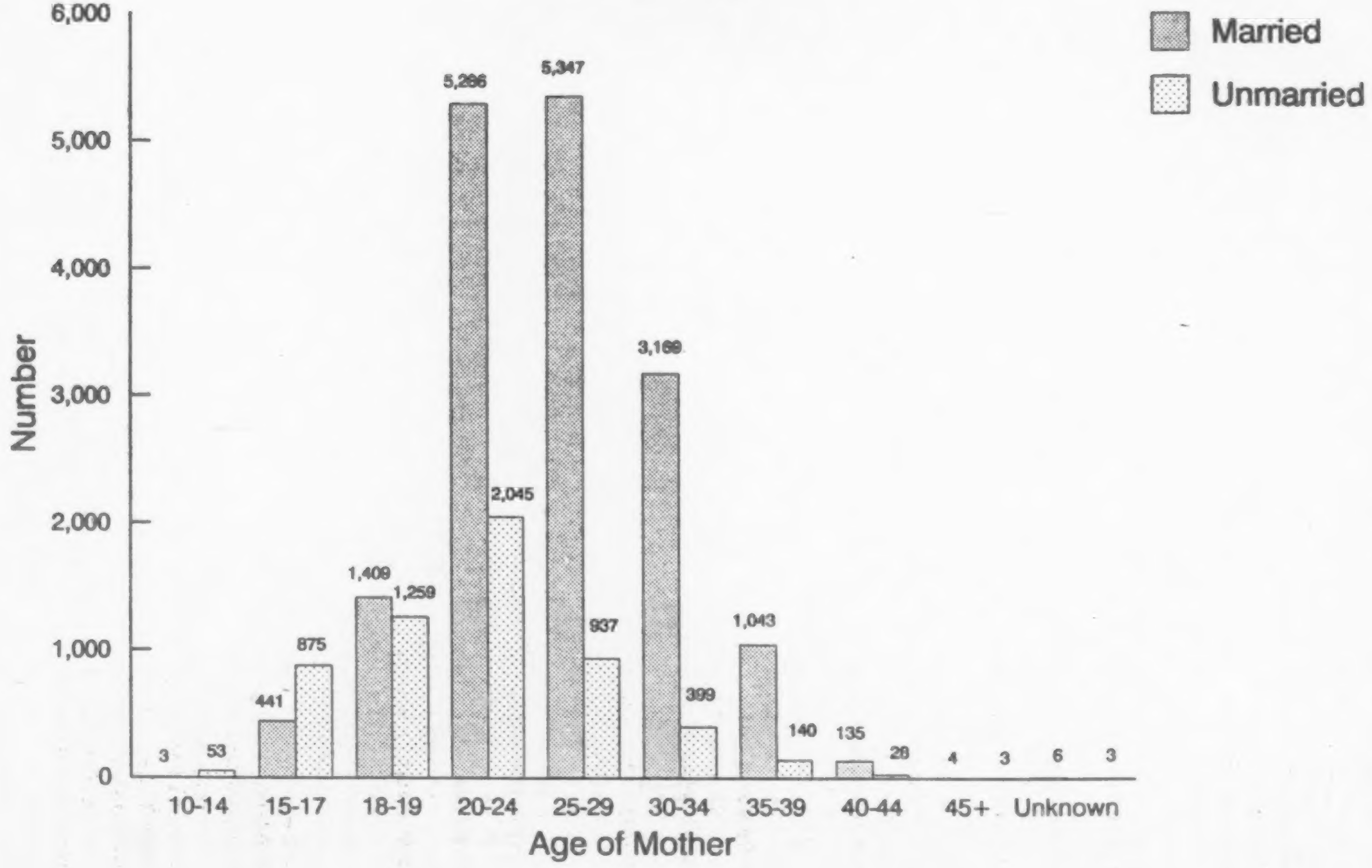
AGE OF MOTHER BY COUNTY
WEST VIRGINIA RESIDENT BIRTHS, 1990
Table 11

COUNTY	AGE OF MOTHER										
	10-14 YEARS	15-17 YEARS	18-19 YEARS	20-24 YEARS	25-29 YEARS	30-34 YEARS	35-39 YEARS	40-44 YEARS	45 YEARS AND OVER	UNKNOWN	TOTAL
BARBOUR	0	19	30	65	43	23	8	2	0	0	190
BERKELEY	1	51	104	286	281	144	43	11	0	0	921
BOONE	1	25	47	147	86	38	14	2	0	0	360
BRAXTON	1	12	22	73	43	22	17	1	0	0	191
BROOKE	0	13	36	92	92	56	19	1	0	0	309
CABELL	3	67	156	384	320	197	56	7	0	1	1,191
CALHOUN	0	4	13	41	22	12	2	1	0	0	95
CLAY	0	8	24	59	36	10	5	1	1	0	144
DODDRIDGE	0	5	9	28	21	17	4	0	0	0	84
FAYETTE	2	37	83	191	144	82	24	5	0	0	568
GILMER	0	1	8	20	27	16	5	0	0	0	77
GRANT	1	8	18	53	32	12	4	0	0	0	128
GREENBRIER	0	21	50	121	120	64	18	1	0	0	395
HAMPSHIRE	0	15	25	84	68	33	9	3	0	0	237
HANCOCK	0	13	41	108	125	73	26	3	0	0	389
HARDY	1	10	16	48	43	24	4	2	1	0	149
HARRISON	2	49	102	278	275	143	41	9	0	1	900
JACKSON	1	7	38	106	102	38	10	0	0	0	302
JEFFERSON	1	29	55	176	155	97	25	8	0	2	548
KANAWHA	8	127	274	762	737	478	164	16	2	2	2,570
LEWIS	0	18	27	66	48	22	6	1	0	1	189
LINCOLN	0	24	48	117	61	45	12	1	0	0	308
LOGAN	3	39	75	184	115	60	14	4	1	0	495
MCDOWELL	3	56	86	199	106	46	17	1	0	0	514
MARION	2	24	88	193	206	109	37	1	0	1	661
MARSHALL	0	18	50	131	131	80	28	1	0	0	439
MASON	3	18	35	91	77	47	20	2	0	0	293
MERCER	4	60	112	283	211	93	43	6	0	0	812
MINERAL	0	17	37	130	89	46	15	2	0	0	336
MINGO	1	47	80	177	119	56	20	4	0	0	504
MONONGALIA	1	27	61	249	308	213	81	10	1	0	951
MONROE	0	5	17	52	36	20	8	1	0	0	139
MORGAN	1	7	13	54	39	17	8	2	0	0	141
NICHOLAS	0	20	50	122	95	43	17	4	0	0	351
OHIO	3	39	57	148	178	152	55	6	0	0	638
PENDLETON	0	4	7	31	31	13	5	1	0	0	92
PLEASANTS	0	4	6	37	32	17	5	1	0	0	102
POCAHONTAS	0	4	16	49	29	16	7	1	0	0	122
PRESTON	0	24	27	125	96	50	21	1	0	0	344
PUTNAM	0	22	44	141	194	117	24	1	0	0	543
RALEIGH	4	68	119	278	209	161	46	6	0	1	892
RANDOLPH	0	25	46	108	87	52	21	6	0	0	345
RITCHIE	0	2	21	53	28	16	5	1	0	0	126
ROANE	0	10	29	64	49	20	11	0	0	0	183
SUMMERS	1	7	16	38	29	19	9	3	0	0	122
TAYLOR	1	13	20	60	45	34	9	3	0	0	185
TUCKER	0	4	12	37	20	14	6	0	0	0	93
TYLER	0	5	7	48	30	19	9	1	0	0	119
UPSHUR	0	31	36	103	90	43	15	4	0	0	322
WAYNE	1	29	60	175	139	76	20	3	0	0	503
WEBSTER	1	9	24	51	40	7	4	1	0	0	137
WETZEL	0	20	39	96	82	29	9	1	0	0	276
WIRT	0	4	4	18	19	8	4	0	0	0	57
WOOD	3	59	108	389	350	187	62	8	0	0	1,166
WYOMING	2	32	40	112	91	42	12	2	1	0	334
STATE	56	1,316	2,668	7,331	6,281	3,568	1,183	163	7	9	22,582

MARITAL STATUS BY AGE OF MOTHER
WEST VIRGINIA RESIDENT BIRTHS, 1986-1990
Table 12

AGE OF MOTHER	1986		1987		1988		1989		1990	
	MARRIED	UNMARRIED	MARRIED	UNMARRIED	MARRIED	UNMARRIED	MARRIED	UNMARRIED	MARRIED	UNMARRIED
TOTAL	18,714	4,465	17,755	4,669	16,972	4,877	16,897	5,170	16,843	5,739
10-14	4	38	3	45	10	53	9	57	3	53
15-17	610	785	521	856	502	824	501	864	441	875
18-19	1,555	978	1,400	994	1,324	976	1,370	1,132	1,409	1,259
20-24	6,273	1,630	5,761	1,663	5,467	1,837	5,434	1,826	5,286	2,045
25-29	5,958	657	5,726	705	5,438	763	5,312	824	5,347	934
30-34	3,259	273	3,235	264	3,214	303	3,094	320	3,169	399
35-39	931	85	967	114	885	100	1,012	120	1,043	140
40-44	120	19	136	26	127	18	144	21	135	28
45+	1	0	5	1	2	1	2	3	4	3
UNKNOWN	3	0	1	1	3	2	19	3	6	3

MARITAL STATUS BY AGE OF MOTHER
West Virginia Resident Births, 1990
Exhibit 8



BIRTHS BY MONTH BY COUNTY
WEST VIRGINIA RESIDENT BIRTHS, 1990
Table 13

COUNTY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL
BARBOUR	13	16	21	17	16	19	17	20	9	14	15	13	190
BERKELEY	80	68	81	67	95	71	88	76	69	73	81	72	921
BOONE	24	23	26	35	24	25	45	25	37	41	31	24	360
BRAXTON	21	12	12	11	10	16	22	14	24	12	20	17	191
BROOKE	20	21	28	26	24	32	24	36	26	30	23	19	309
CABELL	107	100	97	85	83	113	86	110	93	90	114	113	1,191
CALHOUN	8	4	10	5	9	7	12	9	10	7	10	4	95
CLAY	14	14	9	11	12	12	13	13	12	13	10	11	144
DODDRIDGE	10	1	2	6	5	11	12	7	6	14	9	1	84
FAYETTE	40	48	59	48	52	47	45	49	55	47	35	43	568
GILMER	4	12	6	5	2	6	9	6	8	8	5	6	77
GRANT	9	6	24	6	8	16	10	9	11	9	9	11	128
GREENBRIER	46	20	31	30	38	36	36	30	38	29	31	30	395
HAMPSHIRE	33	13	18	14	9	23	28	22	19	16	23	19	237
HANCOCK	31	31	24	33	38	37	34	29	37	33	32	30	389
HARDY	12	20	21	7	7	14	12	14	12	11	8	11	149
HARRISON	66	66	68	86	66	79	81	103	72	69	75	69	900
JACKSON	17	31	21	28	29	27	27	27	21	30	26	18	302
JEFFERSON	45	43	41	47	36	48	52	58	47	43	45	43	548
KANAWHA	193	203	210	214	231	204	232	243	234	217	196	193	2,570
LEWIS	17	14	17	6	21	12	27	16	13	11	18	17	189
LINCOLN	32	21	28	28	20	32	14	29	33	24	27	20	308
LOGAN	47	30	53	32	48	31	30	47	54	32	48	43	495
MCDOWELL	49	46	38	37	42	49	40	46	34	45	40	48	514
MARION	59	53	59	55	49	60	65	51	52	57	53	48	661
MARSHALL	35	35	30	37	35	29	43	47	44	34	34	36	439
MASON	23	22	23	21	22	24	30	26	25	28	26	23	293
MERCER	54	57	62	62	72	70	67	67	82	70	62	87	812
MINERAL	22	32	25	34	18	25	32	29	30	35	32	22	336
MINGO	47	42	29	36	32	30	51	49	46	50	53	39	504
MONONGALIA	68	77	70	78	80	70	90	97	75	77	87	82	951
MONROE	17	7	18	10	12	9	11	15	9	8	15	8	139
MORGAN	11	12	8	8	15	11	10	14	16	11	12	13	141
NICHOLAS	26	31	28	23	32	32	30	34	35	23	32	25	351
OHIO	52	48	56	48	64	52	49	49	52	49	63	56	638
PENDLETON	7	8	3	14	5	7	11	12	4	6	5	10	92
PLEASANTS	8	6	4	9	4	11	7	7	12	12	14	8	102
POCAHONTAS	6	10	10	7	17	7	18	15	7	11	8	6	122
PRESTON	32	26	17	29	25	35	33	31	29	23	32	32	344
PUTNAM	28	45	36	48	39	55	58	49	48	45	40	52	543
RALEIGH	82	62	76	83	68	75	93	71	72	70	73	67	892
RANDOLPH	29	28	22	28	29	27	32	37	29	26	32	26	345
RITCHIE	9	5	9	20	8	18	11	10	13	7	5	11	126
ROANE	13	10	17	12	13	17	19	15	16	20	15	16	183
SUMMERS	11	5	14	8	17	6	10	12	14	7	8	10	122
TAYLOR	15	14	12	10	21	13	21	11	19	14	15	20	185
TUCKER	1	7	10	6	9	6	7	12	7	7	9	12	93
TYLER	15	12	3	9	15	13	13	14	3	4	5	13	119
UPSHUR	30	27	29	27	23	30	32	26	18	34	24	22	322
WAYNE	33	47	35	45	50	37	45	46	51	42	34	38	503
WEBSTER	15	11	11	8	8	9	12	13	7	16	13	14	137
WETZEL	35	17	25	16	24	10	24	23	23	28	26	25	276
WIRT	3	5	5	4	4	3	8	7	2	2	8	6	57
WOOD	97	102	89	102	86	103	100	92	93	95	98	109	1,166
WYOMING	24	28	28	27	30	31	36	29	32	28	22	19	334
TOTAL	1,845	1,754	1,808	1,808	1,851	1,892	2,064	2,048	1,939	1,857	1,886	1,830	22,582

PLACE OF DELIVERY, SEX OF CHILD BY RACE OF MOTHER, AND MARITAL STATUS OF MOTHER BY COUNTY
WEST VIRGINIA RESIDENT BIRTHS, 1990
Table 14

COUNTY	PLACE OF DELIVERY		WHITE		BLACK		OTHER		NUMBER OF BIRTHS TO UNMARRIED MOTHERS	TOTAL
	HOSPITAL*	NONHOSPITAL	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE		
BARBOUR	190	0	96	92	1	1	0	0	39	190
BERKELEY	918	3	465	415	23	14	4	0	253	921
BOONE	360	0	195	164	1	0	0	0	93	360
BRAXTON	191	0	98	93	0	0	0	0	45	191
BROOKE	309	0	152	154	1	1	1	0	67	309
CABELL	1,185	6	567	549	30	33	6	6	302	1,191
CALHOUN	95	0	49	46	0	0	0	0	24	95
CLAY	143	1	69	75	0	0	0	0	40	144
DODDRIDGE	83	1	35	49	0	0	0	0	22	84
FAYETTE	564	4	295	242	14	17	0	0	159	568
GILMER	77	0	36	41	0	0	0	0	15	77
GRANT	128	0	71	55	0	1	1	0	28	128
GREENBRIER	393	2	177	200	6	10	2	0	81	395
HAMPSHIRE	237	0	111	118	2	5	1	0	77	237
HANCOCK	389	0	188	184	8	8	1	0	90	389
HARDY	149	0	78	68	2	1	0	0	42	149
HARRISON	897	3	453	434	4	5	2	2	221	900
JACKSON	300	2	148	152	0	0	1	1	47	302
JEFFERSON	544	4	249	245	27	26	0	1	160	548
KANAWHA	2,562	8	1,227	1,105	121	100	8	9	746	2,570
LEWIS	188	1	97	92	0	0	0	0	61	189
LINCOLN	308	0	158	150	0	0	0	0	66	308
LOGAN	494	1	240	234	11	8	2	0	178	495
MCDOWELL	513	1	238	209	35	31	1	0	186	514
MARION	654	7	330	301	17	12	1	0	169	661
MARSHALL	439	0	218	219	2	0	0	0	122	439
MASON	293	0	145	147	0	0	1	0	69	293
MERCER	809	3	354	380	42	31	2	3	214	812
MINERAL	334	2	170	154	5	5	2	0	66	336
MINGO	501	3	257	233	6	7	1	0	158	504
MONONGALIA	948	3	463	427	18	11	25	7	158	951
MONROE	136	3	64	70	1	2	1	1	32	139
MORGAN	139	2	67	73	0	0	0	0	35	141
NICHOLAS	350	1	173	175	1	0	0	2	85	351
OHIO	636	2	294	298	23	16	2	5	195	638
PENDLETON	92	0	47	42	2	1	0	0	19	92
PLEASANTS	102	0	49	53	0	0	0	0	26	102
POCAHONTAS	118	4	68	53	0	0	0	0	27	122
PRESTON	343	1	169	174	1	0	0	0	78	344
PUTNAM	542	1	289	252	0	1	1	0	72	543
RALEIGH	890	2	398	391	52	43	4	4	248	892
RANDOLPH	341	4	196	147	0	0	1	1	99	345
RITCHIE	124	2	71	54	0	0	0	1	22	126
ROANE	182	1	99	84	0	0	0	0	37	183
SUMMERS	118	4	58	61	1	2	0	0	39	122
TAYLOR	185	0	84	101	0	0	0	0	43	185
TUCKER	92	1	44	48	0	0	0	0	10	93
TYLER	116	3	65	53	0	1	0	0	21	119
UPSHUR	321	1	173	147	0	0	1	1	65	322
WAYNE	502	1	266	236	0	0	0	1	88	503
WEBSTER	137	0	68	69	0	0	0	0	46	137
WETZEL	276	0	135	140	0	0	0	1	77	276
WIRT	57	0	22	35	0	0	0	0	10	57
WOOD	1,162	4	573	578	7	4	3	1	285	1,166
WYOMING	333	1	161	172	1	0	0	0	82	334
STATE	22,489	93	11,062	10,533	465	398	75	49	5,739	22,582

* INCLUDES HOSPITALS, ENROUTE TO HOSPITALS, AND BIRTHING CENTERS

TRIMESTER PRENATAL CARE BEGAN BY COUNTY
WEST VIRGINIA RESIDENT BIRTHS, 1990
Table 15

COUNTY	FIRST TRIMESTER		SECOND TRIMESTER		THIRD TRIMESTER		NO CARE		UNKNOWN		TOTAL
	BIRTHS	PCT	BIRTHS	PCT	BIRTHS	PCT	BIRTHS	PCT	BIRTHS	PCT	
BARBOUR	148	77.9	27	14.2	11	5.8	0	0.0	4	2.1	190
BERKELEY	677	73.5	170	18.5	58	6.3	10	1.1	6	0.7	921
BOONE	218	60.6	96	26.7	19	5.3	3	0.8	24	6.7	360
BRAXTON	139	72.8	34	17.8	1	0.5	1	0.5	16	8.4	191
BROOKE	227	73.5	66	21.4	10	3.2	4	1.3	2	0.6	309
CABELL	997	83.7	165	13.9	22	1.8	6	0.5	1	0.1	1,191
CALHOUN	70	73.7	17	17.9	1	1.1	1	1.1	6	6.3	95
CLAY	89	61.8	32	22.2	7	4.9	0	0.0	16	11.1	144
DODDRIDGE	66	78.6	15	17.9	3	3.6	0	0.0	0	0.0	84
FAYETTE	423	74.5	103	18.1	23	4.0	9	1.6	10	1.8	568
GILMER	65	84.4	10	13.0	0	0.0	0	0.0	2	2.6	77
GRANT	108	84.4	15	11.7	4	3.1	0	0.0	1	0.8	128
GREENBRIER	264	66.8	90	22.8	23	5.8	7	1.8	11	2.8	395
HAMPSHIRE	153	64.6	60	25.3	14	5.9	5	2.1	5	2.1	237
HANCOCK	298	76.6	75	19.3	10	2.6	5	1.3	1	0.3	389
HARDY	123	82.6	19	12.8	5	3.4	1	0.7	1	0.7	149
HARRISON	722	80.2	135	15.0	21	2.3	8	0.9	14	1.6	900
JACKSON	189	62.6	86	28.5	12	4.0	2	0.7	13	4.3	302
JEFFERSON	377	68.8	119	21.7	38	6.9	9	1.6	5	0.9	548
KANAWHA	1,591	61.9	624	24.3	106	4.1	39	1.5	210	8.2	2,570
LEWIS	147	77.8	27	14.3	4	2.1	1	0.5	10	5.3	189
LINCOLN	244	79.2	49	15.9	5	1.6	1	0.3	9	2.9	308
LOGAN	270	54.5	181	36.6	15	3.0	7	1.4	22	4.4	495
MCDOWELL	270	52.5	147	28.6	68	13.2	9	1.8	20	3.9	514
MARION	498	75.3	114	17.2	32	4.8	5	0.8	12	1.8	661
MARSHALL	334	76.1	76	17.3	18	4.1	2	0.5	9	2.1	439
MASON	218	74.4	57	19.5	6	2.0	1	0.3	11	3.8	293
MERCER	509	62.7	182	22.4	86	10.6	10	1.2	25	3.1	812
MINERAL	265	78.9	53	15.8	14	4.2	1	0.3	3	0.9	336
MINGO	280	55.6	174	34.5	15	3.0	14	2.8	21	4.2	504
MONONGALIA	771	81.1	132	13.9	31	3.3	5	0.5	12	1.3	951
MONROE	93	66.9	30	21.6	8	5.8	4	2.9	4	2.9	139
MORGAN	105	74.5	31	22.0	3	2.1	2	1.4	0	0.0	141
NICHOLAS	232	66.1	89	25.4	18	5.1	4	1.1	8	2.3	351
OHIO	452	70.8	140	21.9	29	4.5	14	2.2	3	0.5	638
PENDLETON	73	79.3	14	15.2	2	2.2	3	3.3	0	0.0	92
PLEASANTS	79	77.5	14	13.7	3	2.9	6	5.9	0	0.0	102
POCAHONTAS	86	70.5	22	18.0	9	7.4	2	1.6	3	2.5	122
PRESTON	259	75.3	70	20.3	9	2.6	3	0.9	3	0.9	344
PUTNAM	420	77.3	75	13.8	13	2.4	4	0.7	31	5.7	543
RALEIGH	648	72.6	186	20.9	32	3.6	14	1.6	12	1.3	892
RANDOLPH	254	73.6	75	21.7	10	2.9	5	1.4	1	0.3	345
RITCHIE	102	81.0	19	15.1	1	0.8	2	1.6	2	1.6	126
ROANE	129	70.5	40	21.9	6	3.3	2	1.1	6	3.3	183
SUMMERS	83	68.0	23	18.9	13	10.7	1	0.8	2	1.6	122
TAYLOR	123	66.5	42	22.7	12	6.5	1	0.5	7	3.8	185
TUCKER	67	72.0	18	19.4	6	6.5	1	1.1	1	1.1	93
TYLER	91	76.5	24	20.2	2	1.7	1	0.8	1	0.8	119
UPSHUR	223	69.3	67	20.8	13	4.0	5	1.6	14	4.3	322
WAYNE	430	85.5	60	11.9	7	1.4	5	1.0	1	0.2	503
WEBSTER	82	59.9	44	32.1	9	6.6	0	0.0	2	1.5	137
WETZEL	208	75.4	49	17.8	15	5.4	2	0.7	2	0.7	276
WIRT	43	75.4	11	19.3	1	1.8	1	1.8	1	1.8	57
WOOD	864	74.1	208	17.8	42	3.6	30	2.6	22	1.9	1,166
WYOMING	203	60.8	90	26.9	12	3.6	9	2.7	20	6.0	334
TOTAL	16,099	71.3	4,591	20.3	957	4.2	287	1.3	648	2.9	22,582

ADEQUACY OF PRENATAL CARE BY COUNTY
WEST VIRGINIA RESIDENT BIRTHS, 1990
Table 16

COUNTY	KESSNER INDEX* ADEQUACY OF PRENATAL CARE				TOTAL
	ADEQUATE	INTERMEDIATE	INADEQUATE	UNDETERMINED	
BARBOUR	130	17	38	5	190
BERKELEY	627	30	232	32	921
BOONE	179	46	109	26	360
BRAXTON	121	14	32	24	191
BROOKE	222	8	76	3	309
CABELL	952	50	186	3	1,191
CALHOUN	62	5	19	9	95
CLAY	81	7	39	17	144
DODDRIDGE	64	2	17	1	84
FAYETTE	390	38	128	12	568
GILMER	54	7	10	6	77
GRANT	103	5	19	1	128
GREENBRIER	256	10	116	13	395
HAMPSHIRE	148	5	79	5	237
HANCOCK	284	14	89	2	389
HARDY	122	1	25	1	149
HARRISON	695	28	159	18	900
JACKSON	154	28	97	23	302
JEFFERSON	340	35	162	11	548
KANAWHA	1,429	171	741	229	2,570
LEWIS	118	11	31	29	189
LINCOLN	234	10	55	9	308
LOGAN	151	155	166	23	495
MCDOWELL	204	74	203	33	514
MARION	439	64	143	15	661
MARSHALL	312	16	93	18	439
MASON	176	42	64	11	293
MERCER	358	162	257	35	812
MINERAL	235	31	66	4	336
MINGO	169	147	164	24	504
MONONGALIA	729	43	162	17	951
MONROE	84	8	40	7	139
MORGAN	92	4	35	10	141
NICHOLAS	202	28	110	11	351
OHIO	427	23	176	12	638
PENDLETON	70	2	19	1	92
PLEASANTS	59	5	21	17	102
POCAHONTAS	75	10	32	5	122
PRESTON	239	20	80	5	344
PUTNAM	398	21	90	34	543
RALEIGH	616	38	224	14	892
RANDOLPH	227	28	87	3	345
RITCHIE	80	8	18	20	126
ROANE	116	11	48	8	183
SUMMERS	76	7	36	3	122
TAYLOR	114	8	55	8	185
TUCKER	58	9	25	1	93
TYLER	77	12	25	5	119
UPSHUR	188	32	83	19	322
WAYNE	420	9	72	2	503
WEBSTER	78	4	52	3	137
WETZEL	171	35	64	6	276
WIRT	28	9	12	8	57
WOOD	596	78	244	248	1,166
WYOMING	173	43	96	22	334
TOTAL	14,202	1,728	5,521	1,131	22,582

*The Kessner Index measures adequacy of prenatal care by cross-tabulating the timing of entry into care with the number of visits recorded and the gestational length of the pregnancy.

PRENATAL CARE BY MOTHER'S RACE, MARITAL STATUS, AND EDUCATION
WEST VIRGINIA RESIDENT BIRTHS, 1990
Table 17

BIRTH CHARACTERISTICS	TIME PRENATAL CARE BEGAN					TOTAL
	FIRST TRIMESTER	SECOND TRIMESTER	THIRD TRIMESTER	NO CARE	UNKNOWN	
MOTHER'S RACE: WHITE						
MOTHER'S MARITAL STATUS:						
MARRIED	12,838	2,653	479	87	394	16,451
NOT MARRIED	2,763	1,630	391	158	202	5,144
TOTAL	15,601	4,283	870	245	596	21,595
MOTHER'S EDUCATION LEVEL:						
8 YEARS OR LESS	483	279	69	20	41	892
9-11 YEARS	2,606	1,383	323	111	191	4,614
12 YEARS	7,274	1,948	351	87	237	9,897
13-15 YEARS	2,844	455	92	18	70	3,479
16 YEARS OR MORE	2,333	195	24	3	32	2,587
UNKNOWN	61	23	11	6	25	126
TOTAL	15,601	4,283	870	245	596	21,595
MOTHER'S RACE: BLACK						
MOTHER'S MARITAL STATUS:						
MARRIED	176	73	11	3	14	277
NOT MARRIED	241	207	68	37	33	586
TOTAL	417	280	79	40	47	863
MOTHER'S EDUCATION LEVEL:						
8 YEARS OR LESS	0	11	5	1	1	18
9-11 YEARS	72	58	25	15	8	178
12 YEARS	187	133	31	17	22	390
13-15 YEARS	105	58	14	2	10	189
16 YEARS OR MORE	49	17	2	1	3	72
UNKNOWN	4	3	2	4	3	16
TOTAL	417	280	79	40	47	863
MOTHER'S RACE: OTHER						
MOTHER'S MARITAL STATUS:						
MARRIED	77	27	6	0	5	115
NOT MARRIED	4	1	2	2	0	9
TOTAL	81	28	8	2	5	124
MOTHER'S EDUCATION LEVEL:						
8 YEARS OR LESS	1	0	0	0	1	2
9-11 YEARS	4	1	0	1	0	6
12 YEARS	10	10	3	1	1	25
13-15 YEARS	19	6	3	0	1	29
16 YEARS OR MORE	44	11	2	0	2	59
UNKNOWN	3	0	0	0	0	3
TOTAL	81	28	8	2	5	124

PREGNANCY RISK FACTORS, CESAREAN SECTIONS, DELIVERY COMPLICATIONS, CONGENITAL ANOMALIES, AND/OR ABNORMAL CONDITIONS OF THE NEWBORN
PERCENTAGE BY COUNTY OF RESIDENCE
WEST VIRGINIA, 1990
Table 18

COUNTY	PREGNANCY RISK FACTORS			CESAREAN SECTION		1 OR MORE COMPLICATIONS OF LABOR AND/ OR DELIVERY	1 OR MORE CONGENITAL ANOMALIES	1 OR MORE ABNORMAL CONDITIONS OF THE NEWBORN
	ALCOHOL USE	TOBACCO USE	1 OR MORE MEDICAL RISK FACTORS	PRIMARY	REPEAT			
BARBOUR	0.0	23.2	26.3	22.6	12.6	35.3	3.7	5.3
BERKELEY	0.7	32.8	25.6	14.7	7.2	43.6	2.7	7.2
BOONE	0.3	25.8	13.1	18.6	10.0	27.8	0.3	2.2
BRAXTON	0.5	22.0	14.7	16.2	7.9	28.3	1.6	2.6
BROOKE	1.6	25.2	22.3	22.3	11.0	30.4	1.9	2.9
CABELL	1.1	25.9	16.5	15.0	11.3	23.4	1.1	1.9
CALHOUN	1.1	35.8	34.7	20.0	9.5	40.0	1.1	6.3
CLAY	0.7	24.3	6.2	9.0	11.1	20.1	2.1	1.4
DODDRIDGE	1.2	29.8	16.7	17.9	17.9	26.2	6.0	3.6
FAYETTE	2.8	32.9	18.1	12.0	5.8	36.3	9.2	9.7
GILMER	0.0	29.9	14.3	22.1	6.5	31.2	0.0	5.2
GRANT	3.9	16.4	16.4	31.2	10.9	47.7	3.9	5.5
GREENBRIER	1.5	27.3	13.7	18.2	10.9	29.6	4.8	3.5
HAMPSHIRE	2.1	31.2	19.0	19.8	5.5	38.8	5.9	6.3
HANCOCK	0.5	36.5	17.2	18.8	8.7	30.3	1.3	5.4
HARDY	2.0	22.1	17.4	20.1	8.7	40.3	2.0	3.4
HARRISON	0.6	26.0	18.8	17.1	14.9	27.1	3.9	6.9
JACKSON	0.7	22.5	14.6	17.9	6.3	31.5	1.7	3.0
JEFFERSON	2.4	33.4	29.2	17.9	9.9	45.4	2.0	7.5
KANAWHA	0.5	23.3	9.6	16.1	7.2	21.8	0.5	0.6
LEWIS	0.5	23.8	16.4	18.0	12.7	30.2	2.1	4.8
LINCOLN	0.3	39.9	14.9	14.6	9.4	21.1	0.6	1.3
LOGAN	0.6	36.8	16.4	20.4	8.3	22.0	1.4	3.6
MCDOWELL	12.8	44.6	24.3	18.9	12.3	23.3	2.5	3.5
MARION	0.6	15.7	20.4	11.0	8.8	31.6	1.5	2.7
MARSHALL	4.3	21.0	21.4	23.2	11.2	28.7	1.4	4.6
MASON	1.0	24.9	16.0	21.2	10.6	46.4	4.1	10.9
MERCER	16.4	36.1	26.4	20.3	10.3	21.4	1.6	4.4
MINERAL	1.8	22.3	16.1	15.8	12.5	32.7	2.1	6.8
MINGO	2.0	42.5	15.3	19.6	12.7	22.0	1.6	4.4

PREGNANCY RISK FACTORS, CESAREAN SECTIONS, DELIVERY COMPLICATIONS, CONGENITAL ANOMALIES, AND/OR ABNORMAL CONDITIONS OF THE NEWBORN
PERCENTAGE BY COUNTY OF RESIDENCE
WEST VIRGINIA, 1990
Table 18 (Cont'd)

COUNTY	PREGNANCY RISK FACTORS			CESAREAN SECTION		1 OR MORE COMPLICATIONS OF LABOR AND/ OR DELIVERY	1 OR MORE CONGENITAL ANOMALIES	1 OR MORE ABNORMAL CONDITIONS OF THE NEWBORN
	ALCOHOL USE	TOBACCO USE	1 OR MORE MEDICAL RISK FACTORS	PRIMARY	REPEAT			
MONONGALIA	2.6	19.8	29.3	22.5	8.2	45.4	2.0	4.7
MONROE	16.5	33.1	20.9	17.3	12.2	30.2	2.2	5.8
MORGAN	1.4	25.5	24.8	13.5	5.0	42.6	2.1	6.4
NICHOLAS	1.7	28.2	19.1	16.5	7.7	35.6	3.1	6.8
OHIO	10.3	28.8	31.2	17.2	12.9	27.9	3.0	2.8
PENDLETON	4.3	19.6	19.6	19.6	17.4	43.5	5.4	6.5
PLEASANTS	0.0	23.5	23.5	18.6	11.8	22.5	1.0	3.9
POCAHONTAS	0.0	24.6	13.1	18.9	11.5	23.0	1.6	4.1
PRESTON	1.2	21.8	28.5	11.9	6.7	52.0	1.7	6.7
PUTNAM	0.7	18.6	10.9	15.3	10.1	23.4	0.2	1.3
RALEIGH	4.6	29.5	25.9	14.8	6.8	43.5	6.2	12.4
RANDOLPH	1.4	27.2	20.6	17.7	13.6	32.2	4.3	4.3
RITCHIE	1.6	20.6	25.4	21.4	12.7	34.9	2.4	2.4
ROANE	0.0	29.0	27.3	21.9	10.4	51.4	2.2	3.8
SUMMERS	9.8	36.1	21.3	18.9	9.8	29.5	5.7	6.6
TAYLOR	1.6	24.9	24.3	18.4	6.5	41.6	2.7	5.4
TUCKER	1.1	22.6	18.3	22.6	7.5	43.0	6.5	6.5
TYLER	4.2	37.0	33.6	13.4	6.7	42.0	2.5	5.0
UPSHUR	1.2	21.4	27.0	20.5	11.8	34.8	2.5	9.3
WAYNE	0.4	26.6	12.9	12.3	9.3	19.3	1.0	0.8
WEBSTER	2.2	26.3	16.8	19.0	8.8	30.7	2.9	3.6
WETZEL	3.6	29.7	33.0	13.8	8.7	34.4	1.4	3.3
WIRT	0.0	24.6	17.5	21.1	12.3	33.3	1.8	3.5
WOOD	1.4	19.0	22.6	17.5	9.0	32.6	1.3	2.6
WYOMING	2.7	42.8	25.1	16.8	9.0	29.9	5.1	6.9
STATE	2.6	27.3	19.9	17.2	9.6	31.2	2.3	4.4

NUMBER AND RATE OF BIRTHS BY CITY
WEST VIRGINIA RESIDENT BIRTHS, 1990
Table 19

CITIES WITH POPULATIONS OF 10,000 OR LARGER	1990 POPULATION*	RESIDENT BIRTHS	RATE PER 1,000 POPULATION
Beckley	18,296	302	16.5
Bluefield	12,756	177	13.9
Charleston	57,287	795	13.9
Clarksburg	18,059	259	14.3
Fairmont	20,210	253	12.5
Huntington	54,844	738	13.5
Martinsburg	14,073	306	21.7
Morgantown	25,879	347	13.4
Moundsville	10,753	142	13.2
Parkersburg	33,862	560	16.5
Saint Albans	11,194	152	13.6
South Charleston	13,645	155	11.4
Vienna	10,862	115	10.6
Weirton	22,124	189	8.5
Wheeling	34,882	464	13.3

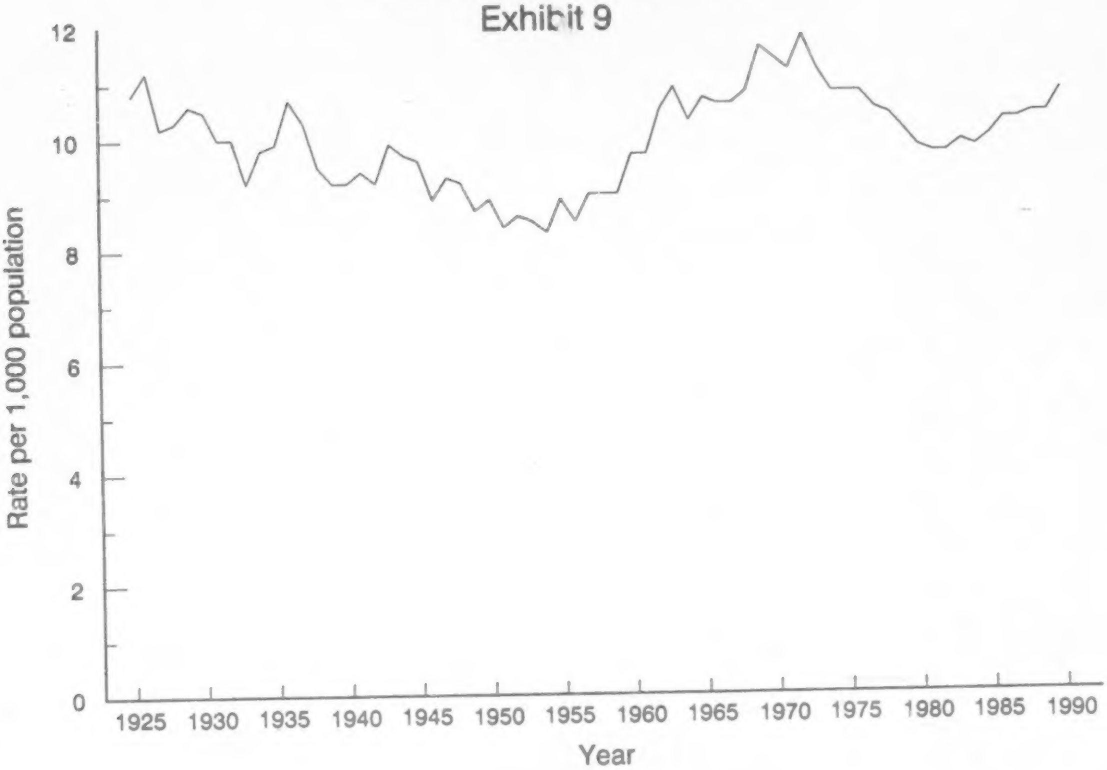
*U.S. Department of Commerce, Bureau of the Census, Census of Population and Housing, 1990: Public Law (P.L.) 94-171 Data (West Virginia).

OUT-OF-STATE OCCURRENCES
WEST VIRGINIA RESIDENT BIRTHS, 1986-1990
Table 20

STATE	1986 BIRTHS	1987 BIRTHS	1988 BIRTHS	1989 BIRTHS	1990 BIRTHS
Virginia	708	742	701	765	694
Maryland	498	501	495	441	514
Ohio	486	484	512	480	493
Kentucky	117	145	104	68	68
Pennsylvania	92	127	102	132	110
All Other States	38	46	44	41	44
Total	1,939	2,045	1,958	1,927	1,923

DEATHS

NUMBER AND RATE OF RESIDENT DEATHS
West Virginia, 1925-1990
Exhibit 9



YEAR	NUMBER OF DEATHS	RATE PER 1,000 POPULATION
1925	17,132	10.8
1930	18,220	10.5
1935	18,342	9.9
1940	17,577	9.2
1945	16,464	9.6
1950	17,459	8.7
1955	16,712	8.9
1960	18,040	9.7
1965	19,121	10.7
1970	19,924	11.4
1975	19,479	10.8
1980	19,178	9.8
1981	19,039	9.7
1982	18,976	9.7
1983	19,293	9.9
1984	19,182	9.8
1985	19,425	10.0
1986	19,859	10.3
1987	19,763	10.3
1988	19,780	10.4
1989	19,525	10.4
1990	19,360	10.8

NUMBER OF DEATHS BY RACE AND SEX BY COUNTY OF RESIDENCE
WEST VIRGINIA, 1990
Table 21

COUNTY	WHITE		BLACK		OTHER		TOTAL
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	
BARBOUR	87	70	0	0	2	0	159
BERKELEY	294	205	13	7	0	0	519
BOONE	136	113	5	0	0	0	254
BRAXTON	83	66	1	0	0	0	150
BROOKE	151	130	0	1	0	0	282
CABELL	570	566	24	22	2	1	1,185
CALHOUN	48	36	0	0	1	0	85
CLAY	65	37	0	0	0	0	102
DODDRIDGE	26	36	0	0	0	0	62
FAYETTE	306	281	23	25	0	0	635
GILMER	45	47	0	0	0	0	92
GRANT	66	53	0	0	0	0	119
GREENBRIER	213	235	7	10	0	0	465
HAMPSHIRE	79	72	1	0	1	0	153
HANCOCK	210	162	10	6	0	0	388
HARDY	71	55	3	1	0	0	130
HARRISON	446	401	6	9	0	0	862
JACKSON	134	125	0	1	0	0	260
JEFFERSON	156	133	10	8	0	1	308
KANAWHA	1,066	1,061	74	65	1	1	2,268
LEWIS	105	107	0	0	0	0	212
LINCOLN	118	85	0	0	0	0	203
LOGAN	249	182	17	13	0	0	461
MCDOWELL	223	151	61	43	0	0	478
MARION	372	327	17	16	0	1	733
MARSHALL	172	209	2	0	0	0	383
MASON	151	99	1	4	0	0	255
MERCER	358	369	37	29	0	0	793
MINERAL	127	122	2	4	0	0	255
MINGO	187	156	8	7	0	0	358
MONONGALIA	254	253	7	7	2	0	523
MONROE	76	72	2	4	0	0	154
MORGAN	66	59	2	1	0	0	128
NICHOLAS	150	104	1	0	0	1	256
OHIO	314	354	7	4	0	0	679
PENDLETON	39	36	0	0	0	0	75
PLEASANTS	50	28	0	0	0	0	78
POCAHONTAS	55	65	1	1	0	0	122
PRESTON	180	114	1	0	0	0	295
PUTNAM	181	124	1	0	0	0	306
RALEIGH	416	336	62	44	1	0	859
RANDOLPH	141	144	1	1	0	0	287
RITCHIE	60	63	0	0	0	0	123
ROANE	89	90	0	0	0	0	179
SUMMERS	81	78	2	3	0	0	164
TAYLOR	103	76	0	1	0	0	180
TUCKER	45	73	1	0	0	0	119
TYLER	52	57	0	0	0	0	109
UPSHUR	112	101	0	1	0	0	214
WAYNE	213	186	0	0	0	0	399
WEBSTER	80	53	0	0	0	0	133
WETZEL	93	95	0	0	0	0	188
WIRT	29	23	0	0	0	0	52
WOOD	453	425	10	4	0	0	892
WYOMING	134	98	2	3	0	0	237
TOTAL	9,780	8,798	422	345	10	5	19,360

NUMBER OF DEATHS BY COUNTY OF RESIDENCE AND OCCURRENCE
WEST VIRGINIA, 1990
Table 22

COUNTY	RESIDENCE	OCCURRENCE	COUNTY	RESIDENCE	OCCURRENCE
BARBOUR	159	97	MONONGALIA	523	1,111
BERKELEY	519	745	MONROE	154	48
BOONE	254	119	MORGAN	128	81
BRAXTON	150	120	NICHOLAS	256	191
BROOKE	282	372	OHIO	679	1,080
CABELL	1,185	1,763	PENDLETON	75	48
CALHOUN	85	58	PLEASANTS	78	34
CLAY	102	37	POCAHONTAS	122	89
DODDRIDGE	62	31	PRESTON	295	190
FAYETTE	635	450	PUTNAM	306	262
GILMER	92	41	RALEIGH	859	1,191
GRANT	119	133	RANDOLPH	287	360
GREENBRIER	465	421	RITCHIE	123	44
HAMPSHIRE	153	74	ROANE	179	130
HANCOCK	388	86	SUMMERS	164	118
HARDY	130	45	TAYLOR	180	132
HARRISON	862	1,070	TUCKER	119	57
JACKSON	260	217	TYLER	109	63
JEFFERSON	308	230	UPSHUR	214	160
KANAWHA	2,268	2,803	WAYNE	399	295
LEWIS	212	158	WEBSTER	133	96
LINCOLN	203	49	WETZEL	188	150
LOGAN	461	453	WIRT	52	22
MCDOWELL	478	216	WOOD	892	1,127
MARION	733	576	WYOMING	237	75
MARSHALL	383	323			
MASON	255	214			
MERCER	793	1,157	TOTAL	19,360*	19,537
MINERAL	255	134			
MINGO	358	191			

*INCLUDES 1,687 WEST VIRGINIA RESIDENT DEATHS OCCURRING OUT-OF-STATE.

OUT-OF-STATE OCCURRENCES
WEST VIRGINIA RESIDENT DEATHS, 1990
Table 23

STATE	1986 DEATHS	1987 DEATHS	1988 DEATHS	1989 DEATHS	1990 DEATHS
Virginia	432	445	478	445	469
Ohio	488	395	435	462	423
Maryland	286	293	311	289	275
Pennsylvania	164	194	169	184	165
Kentucky	167	162	155	154	156
Florida	63	62	45	45	47
North Carolina	37	50	39	44	41
District of Columbia	32	32	29	27	19
South Carolina	14	11	13	9	13
Tennessee	22	13	22	13	12
All Other States	82	78	89	68	66
Canada	2	0	0	0	1
Total	1,789	1,735	1,785	1,740	1,687

NUMBER OF DEATHS BY COUNTY OF RESIDENCE
WEST VIRGINIA, 1986–1990
Table 24

COUNTY	1986	1987	1988	1989	1990	COUNTY	1986	1987	1988	1989	1990
BARBOUR	161	185	188	182	159	MONONGALIA	613	615	592	569	523
BERKELEY	504	471	540	575	519	MONROE	145	139	152	137	154
BOONE	283	294	273	266	254	MORGAN	126	133	149	119	128
BRAXTON	164	178	189	174	150	NICHOLAS	240	271	234	258	256
BROOKE	321	298	338	294	282	OHIO	706	757	672	683	679
CABELL	1,209	1,186	1,182	1,156	1,185	PENDLETON	70	89	78	76	75
CALHOUN	84	101	84	81	85	PLEASANTS	70	68	68	71	78
CLAY	95	105	111	97	102	POCAHONTAS	137	125	117	124	122
DODDRIDGE	84	81	72	60	62	PRESTON	293	305	305	320	295
FAYETTE	693	629	600	670	635	PUTNAM	267	300	314	321	306
GILMER	62	101	92	81	92	RALEIGH	927	842	868	863	859
GRANT	95	90	99	100	119	RANDOLPH	293	325	311	315	287
GREENBRIER	429	399	492	442	465	RITCHIE	136	126	129	145	123
HAMPSHIRE	151	153	185	162	153	ROANE	166	169	152	148	179
HANCOCK	380	381	369	380	388	SUMMERS	181	197	157	162	164
HARDY	127	107	101	113	130	TAYLOR	180	165	183	186	180
HARRISON	893	885	875	884	862	TUCKER	91	93	109	86	119
JACKSON	213	260	277	272	260	TYLER	116	128	117	115	109
JEFFERSON	297	291	322	333	308	UPSHUR	225	256	240	220	214
KANAWHA	2,409	2,355	2,399	2,295	2,268	WAYNE	410	419	377	372	399
LEWIS	229	203	205	230	212	WEBSTER	128	116	131	119	133
LINCOLN	188	231	208	226	203	WETZEL	222	227	222	218	188
LOGAN	481	449	410	479	461	WIRT	52	49	55	49	52
MCDOWELL	485	470	495	424	478	WOOD	920	885	834	916	892
MARION	709	729	721	721	733	WYOMING	295	259	289	230	237
MARSHALL	390	409	371	381	383						
MASON	284	272	315	263	255						
MERCER	777	741	764	741	793	TOTAL	19,859	19,763	19,780	19,525	19,360
MINERAL	265	319	314	301	255						
MINGO	388	332	334	320	358						

AGE AT DEATH BY COUNTY OF RESIDENCE
WEST VIRGINIA, 1990
Table 25

COUNTY	AGE IN YEARS													TOTAL
	LESS THAN ONE	1-4	5-9	10-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 AND OVER	UN-KNOWN	
BARBOUR	2	0	0	1	1	6	3	5	18	35	48	40	0	159
BERKELEY	7	2	0	2	11	10	17	35	80	138	140	77	0	519
BOONE	0	0	1	0	2	6	7	17	37	75	67	42	0	254
BRAXTON	3	0	0	1	4	5	2	9	12	34	47	33	0	150
BROOKE	2	0	0	0	5	6	4	11	41	73	91	49	0	282
CABELL	11	3	2	1	9	17	41	47	153	293	330	278	0	1,185
CALHOUN	0	0	0	1	0	0	5	5	12	26	23	13	0	85
CLAY	0	0	1	1	0	3	1	5	11	24	39	17	0	102
DODDRIDGE	0	0	0	0	0	2	2	5	6	12	17	18	0	62
FAYETTE	5	0	0	2	8	12	16	29	80	177	177	129	0	635
GILMER	0	0	0	1	2	4	3	2	8	14	37	21	0	92
GRANT	1	0	0	0	4	1	4	4	20	26	35	24	0	119
GREENBRIER	0	0	0	1	2	6	13	23	50	101	162	107	0	465
HAMPSHIRE	3	0	0	0	5	1	3	11	23	33	36	38	0	153
HANCOCK	3	0	0	0	3	5	11	23	58	92	111	82	0	388
HARDY	2	0	0	0	3	2	4	5	17	41	32	24	0	130
HARRISON	10	0	0	0	6	12	17	34	86	235	267	195	0	862
JACKSON	2	1	0	1	4	5	11	11	38	57	73	57	0	260
JEFFERSON	5	1	0	1	3	8	13	24	40	78	97	38	0	308
KANAWHA	26	4	6	2	29	56	70	119	273	553	638	492	0	2,268
LEWIS	1	0	0	4	1	3	4	15	21	47	62	54	0	212
LINCOLN	6	0	0	0	7	2	9	10	24	41	72	32	0	203
LOGAN	7	1	0	2	10	13	19	35	56	132	117	69	0	461
MCDOWELL	5	1	0	1	11	13	21	34	64	128	139	61	0	478
MARION	6	3	3	0	9	9	17	24	77	195	222	168	0	733
MARSHALL	3	0	0	0	2	6	10	21	40	93	121	87	0	383
MASON	5	0	0	2	4	4	4	13	45	59	81	38	0	255
MERCER	10	3	2	3	14	12	16	31	96	192	260	154	0	793
MINERAL	5	0	0	0	1	6	5	16	33	63	73	53	0	255
MINGO	5	0	1	0	6	11	16	20	37	93	108	61	0	358
MONONGALIA	15	0	1	0	8	5	13	31	66	131	124	129	0	523
MONROE	1	0	0	0	3	2	5	7	19	30	45	42	0	154
MORGAN	1	0	0	0	1	5	5	3	12	21	46	34	0	128
NICHOLAS	3	0	1	0	5	3	8	21	21	68	66	60	0	256
OHIO	4	1	0	1	6	19	10	24	82	164	200	168	0	679
PENDLETON	1	0	2	0	2	1	0	4	10	10	18	27	0	75
PLEASANTS	2	0	0	0	1	2	2	6	8	19	20	18	0	78
POCAHONTAS	0	0	0	1	0	3	3	7	19	24	33	32	0	122
PRESTON	3	1	0	0	2	8	10	13	34	78	82	64	0	295
PUTNAM	2	0	1	1	4	5	5	28	36	75	87	62	0	306
RALEIGH	14	1	0	3	15	21	35	40	108	225	246	151	0	859
RANDOLPH	3	0	0	0	2	4	12	13	33	60	99	61	0	287
RITCHIE	0	0	0	0	1	2	1	5	9	27	38	40	0	123
ROANE	2	1	0	0	2	5	6	11	20	44	50	38	0	179
SUMMERS	1	0	0	0	2	2	4	7	18	42	48	40	0	164
TAYLOR	3	0	0	0	2	3	5	5	28	44	51	39	0	180
TUCKER	6	0	0	0	1	0	2	3	11	34	34	28	0	119
TYLER	0	0	0	0	3	1	1	6	11	24	36	27	0	109
UPSHUR	6	0	0	0	1	2	7	7	25	57	64	45	0	214
WAYNE	3	1	0	1	7	6	12	24	47	105	114	79	0	399
WEBSTER	3	0	0	0	3	4	5	2	13	29	42	32	0	133
WETZEL	1	1	0	0	3	3	5	8	21	38	62	46	0	188
WIRT	1	0	1	0	1	2	4	2	6	17	12	6	0	52
WOOD	10	6	0	0	15	13	25	37	101	205	269	211	0	892
WYOMING	2	0	0	0	4	10	13	10	44	65	63	26	0	237
TOTAL	222	31	22	34	260	377	566	967	2,358	4,796	5,671	4,056	0	19,360

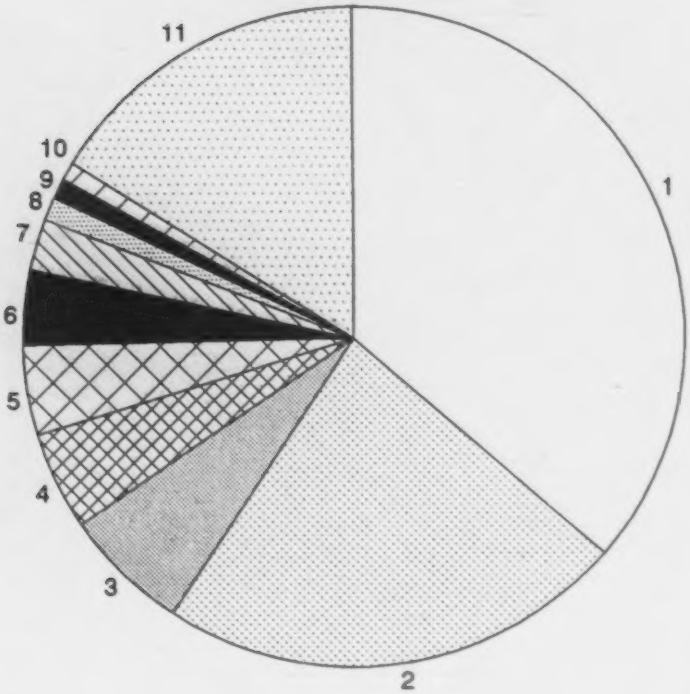
PLACE DEATH OCCURRED BY COUNTY OF RESIDENCE
WEST VIRGINIA, 1990
Table 26

COUNTY	PLACE DEATH OCCURRED								TOTAL
	HOSPITAL	OUT-OF-STATE HOSPITAL	EN ROUTE TO HOSPITAL	CLINIC OR CENTER	LICENSED NURSING HOME	UNLICENSED PERSONAL CARE	HOME	OTHER AND UNKNOWN	
BARBOUR	101	2	42	0	4	0	6	4	159
BERKELEY	295	63	8	0	44	1	92	16	519
BOONE	188	4	33	1	4	2	20	2	254
BRAXTON	84	3	10	0	12	2	36	3	150
BROOKE	121	70	13	0	27	1	50	0	282
CABELL	710	26	247	0	75	6	109	12	1,185
CALHOUN	47	2	7	0	4	1	23	1	85
CLAY	52	2	1	0	8	1	35	3	102
DODDRIDGE	26	4	0	0	6	2	21	3	62
FAYETTE	381	20	42	0	55	2	120	15	635
GILMER	50	3	0	0	8	0	26	5	92
GRANT	48	27	6	0	20	0	11	7	119
GREENBRIER	196	62	18	2	81	6	90	10	465
HAMPSHIRE	41	60	24	0	13	0	12	3	153
HANCOCK	164	109	16	1	42	3	50	3	388
HARDY	34	41	3	0	15	0	33	4	130
HARRISON	447	23	53	0	108	22	200	9	862
JACKSON	157	9	10	0	41	1	38	4	260
JEFFERSON	150	47	30	0	32	0	42	7	308
KANAWHA	1,345	38	33	0	230	31	534	57	2,268
LEWIS	122	5	20	0	28	3	33	1	212
LINCOLN	126	7	13	0	6	1	46	4	203
LOGAN	324	8	97	0	10	1	15	6	461
MCDOWELL	279	50	120	0	14	1	8	6	478
MARION	428	21	23	0	73	3	166	19	733
MARSHALL	224	18	40	0	62	1	37	1	383
MASON	133	41	43	0	12	6	20	0	255
MERCER	545	34	122	0	34	3	49	6	793
MINERAL	68	125	4	0	23	0	35	0	255
MINGO	163	67	27	0	35	1	54	11	358
MONONGALIA	309	13	8	1	71	4	103	14	523
MONROE	58	36	5	0	10	2	37	6	154
MORGAN	40	41	17	0	19	0	10	1	128
NICHOLAS	163	5	24	0	25	1	37	1	256
OHIO	362	40	7	0	147	0	116	7	679
PENDLETON	15	23	2	0	14	0	17	4	75
PLEASANTS	35	11	1	0	4	0	24	3	78
POCAHONTAS	64	14	8	0	12	0	23	1	122
PRESTON	164	23	48	0	21	1	36	2	295
PUTNAM	188	5	6	0	33	6	65	3	306
RALEIGH	560	26	163	1	52	1	47	9	859
RANDOLPH	174	3	59	0	23	3	20	5	287
RITCHIE	67	2	4	0	15	3	30	2	123
ROANE	122	3	1	0	7	2	38	6	179
SUMMERS	98	13	30	0	8	5	10	0	164
TAYLOR	100	5	22	0	21	5	26	1	180
TUCKER	49	11	16	4	27	0	11	1	119
TYLER	65	7	7	0	5	5	19	1	109
UPSHUR	103	7	54	0	28	7	12	3	214
WAYNE	203	28	75	0	23	0	63	7	399
WEBSTER	69	5	26	0	6	0	23	4	133
WETZEL	102	5	15	0	30	2	32	2	188
WIRT	30	1	1	0	0	0	15	5	52
WOOD	532	55	13	0	114	8	143	27	892
WYOMING	138	11	40	1	9	2	26	10	237
TOTAL	10,859	1,384	1,757	11	1,850	158	2,994	347	19,360

1990 WEST VIRGINIA RESIDENT DEATHS

Leading Causes Of Death

Exhibit 10



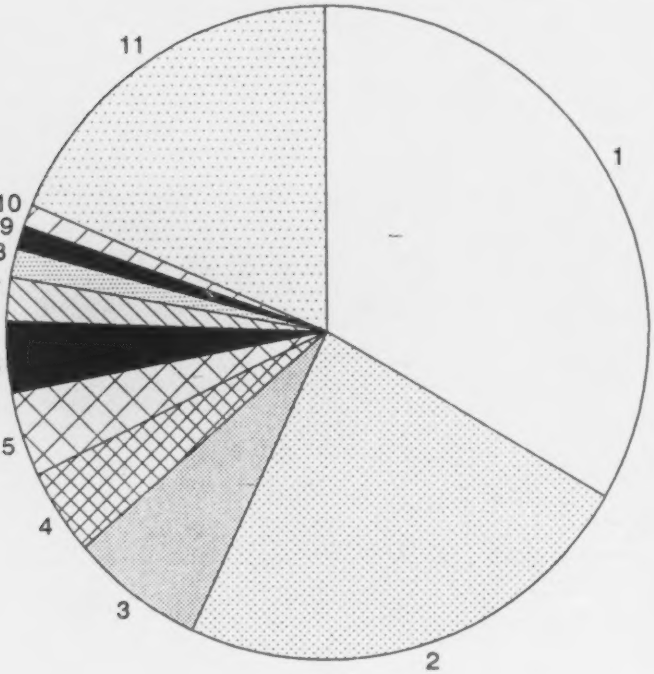
LEADING CAUSES OF DEATH	NUMBER OF DEATHS	1990 WV CRUDE RATE	1990 WV AGE-ADJUSTED RATE*	PERCENT OF TOTAL	% DIFF. FROM U.S.
1. DISEASES OF THE HEART	7,036	392.3	333.8	36.3	+15.1
2. MALIGNANT NEOPLASMS	4,433	247.2	214.1	22.9	+5.4
3. CEREBROVASCULAR DISEASE	1,204	67.1	56.4	6.2	-2.4
4. CHRONIC OBSTRUCTIVE PULMONARY AND ALLIED CONDITIONS	924	51.5	43.5	4.8	+22.3
5. ACCIDENTS, ALL FORMS	857	47.8	44.6	4.4	+21.7
6. PNEUMONIA AND INFLUENZA	711	39.6	33.4	3.7	+5.9
7. DIABETES MELLITUS	486	27.1	23.4	2.5	+22.3
8. SUICIDE	220	12.3	11.6	1.1	-2.3
9. NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	195	10.9	9.1	1.0	+7.1
10. CHRONIC LIVER DISEASE AND CIRRHOSIS	182	10.1	9.1	0.9	-11.1
TOTAL FOR LEADING CAUSES	16,248	905.9	779.2	83.9	+10.4
11. ALL OTHER CAUSES	3,112	173.5	153.7	16.1	-4.2
TOTAL FOR ALL CAUSES	19,360	1079.5	932.9	100.0	+7.7

*Rate adjusted by age to the 1990 U.S. population distribution from U.S. Bureau of the Census, Census of Population and Housing, 1990. Public Law (P.L.) 94-171 Data (West Virginia).

1990 UNITED STATES RESIDENT DEATHS

Leading Causes Of Death

Exhibit 11



LEADING CAUSES OF DEATH*	NUMBER OF DEATHS	1990 U.S. CRUDE RATE	PERCENT OF TOTAL
1. DISEASES OF THE HEART	723,890	290.0	33.5
2. MALIGNANT NEOPLASMS	507,090	203.1	23.5
3. CEREBROVASCULAR DISEASE	144,200	57.8	6.7
4. ACCIDENTS, ALL FORMS	91,460	36.6	4.2
5. CHRONIC OBSTRUCTIVE PULMONARY AND ALLIED CONDITIONS	88,790	35.6	4.1
6. PNEUMONIA AND INFLUENZA	78,700	31.5	3.6
7. DIABETES MELLITUS	47,770	19.1	2.2
8. SUICIDE	29,650	11.9	1.4
9. CHRONIC LIVER DISEASE AND CIRRHOSIS	25,550	10.2	1.2
10. HOMICIDE	24,550	9.8	1.1
TOTAL FOR LEADING CAUSES	1,761,650	705.7	81.5
11. ALL OTHER CAUSES	400,350	160.4	18.5
TOTAL FOR ALL CAUSES	2,162,000	866.1	100.0

*Monthly Vital Statistics Report (provisional statistics), National Center for Health Statistics, Vol. 40, No. 1, May 16, 1991. (Based on 10% sample).

NUMBER AND PERCENT DISTRIBUTION OF LEADING CAUSES OF RESIDENT DEATHS BY YEARS OF POTENTIAL LIFE LOST AND ACTUAL DEATHS WEST VIRGINIA, 1989 and 1990

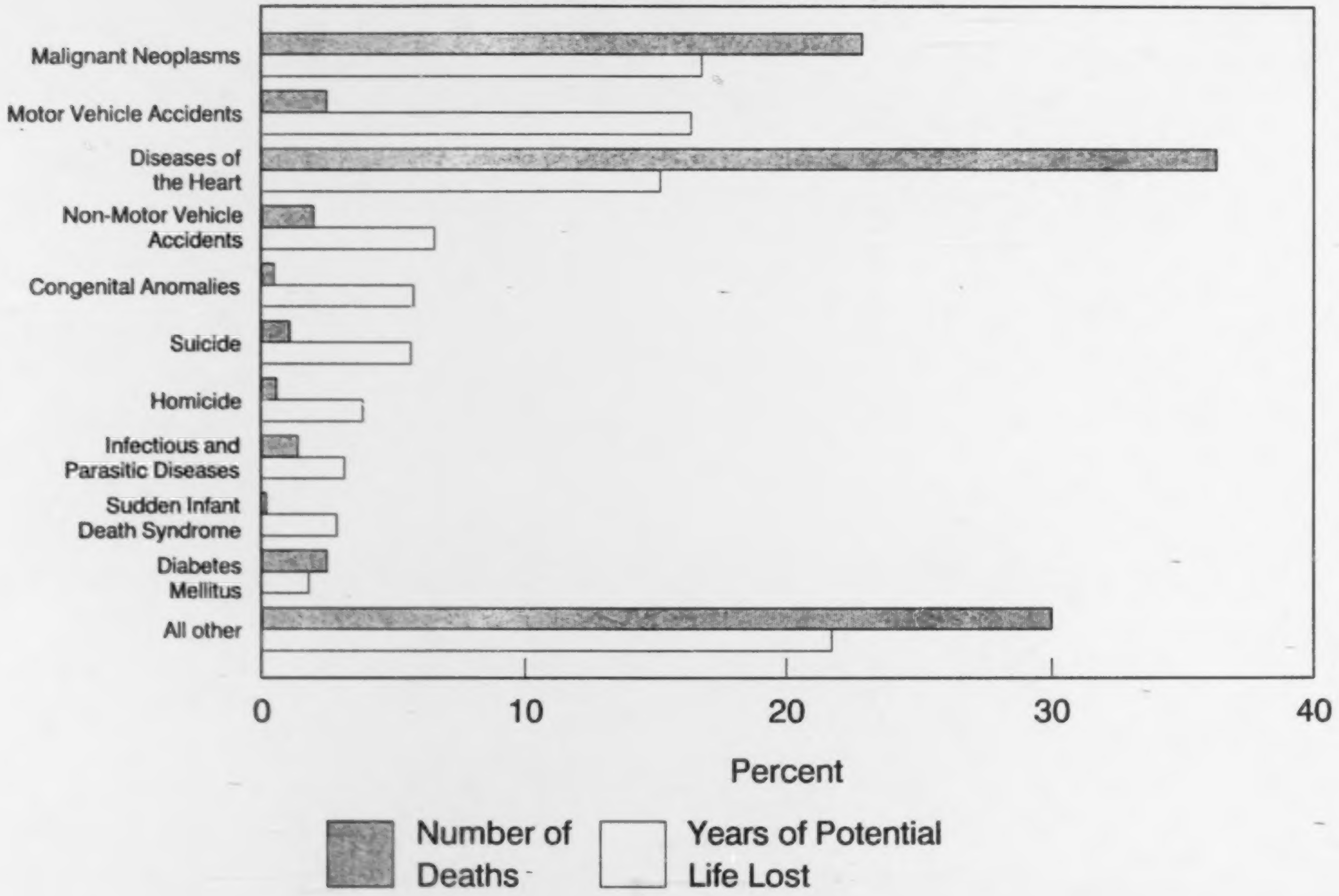
Table 27

CAUSE OF DEATH	YEARS OF POTENTIAL LIFE LOST BEFORE AGE 65				ACTUAL DEATHS			
	NUMBER		PERCENT		NUMBER		PERCENT	
	1989	1990	1989	1990	1989	1990	1989	1990
ALL CAUSES	88,093	83,688	100.0	100.0	19,525	19,360	100.0	100.0
MALIGNANT NEOPLASMS	14,725	14,092	16.7	16.8	4,400	4,433	22.5	22.9
MOTOR VEHICLE ACCIDENTS	14,701	13,741	16.7	16.4	477	475	2.4	2.5
DISEASES OF THE HEART	13,785	12,721	15.6	15.2	7,306	7,036	37.4	36.3
NONMOTOR VEHICLE ACCIDENTS	6,981	5,502	7.9	6.6	457	382	2.3	2.0
CONGENITAL ANOMALIES	5,243	4,838	6.0	5.8	104	104	0.5	0.5
SUICIDE	4,925	4,759	5.6	5.7	230	220	1.2	1.1
HOMICIDE	3,713	3,277	4.2	3.9	137	114	0.7	0.6
INFECTIOUS AND PARASITIC DISEASES	2,009	2,659	2.3	3.2	261	269	1.3	1.4
SUDDEN INFANT DEATH SYNDROME	1,806	2,451	2.1	2.9	28	38	0.1	0.2
DIABETES MELLITUS	1,266	1,506	1.4	1.8	503	486	2.6	2.5
RESPIRATORY DISTRESS SYNDROME AND BIRTH ASPHYXIA	1,161	1,290	1.3	1.5	18	20	0.1	0.1
CEREBROVASCULAR DISEASES	1,677	1,256	1.9	1.5	1,187	1,204	6.1	6.2
CHRONIC LIVER DISEASE AND CIRRHOSIS	1,378	1,234	1.6	1.5	185	182	0.9	0.9
CHRONIC OBSTRUCTIVE PULMONARY DISEASES AND ALLIED CONDITIONS	1,301	1,213	1.5	1.4	888	924	4.5	4.8
DISORDERS RELATING TO SHORT GESTATION AND PREMATURE BIRTHS	1,419	1,097	1.6	1.3	22	17	0.1	0.1
OTHER RESPIRATORY CONDITIONS OF NEWBORN	774	903	0.9	1.1	12	14	0.1	0.1
PNEUMONIA AND INFLUENZA	1,094	791	1.2	0.9	631	711	3.2	3.7
ALCOHOL OR DRUG PSYCHOSES, DEPENDENCE OR ABUSE	630	450	0.7	0.5	52	40	0.3	0.2
ALL OTHER CAUSES (RESIDUAL)	9,506	9,910	10.8	11.8	2,627	2,691	13.5	13.9

DISTRIBUTION OF YEARS OF POTENTIAL LIFE LOST AND NUMBER OF DEATHS

West Virginia Resident Deaths, 1990

Exhibit 12



LEADING CAUSES OF RESIDENT DEATHS BY AGE GROUP AND SEX
WEST VIRGINIA, 1990
Table 28

LEADING CAUSES OF DEATH	TOTAL ALL AGE GROUPS					
	MALE		FEMALE		TOTAL	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL DEATHS, ALL CAUSES	10,212	100.0	9,148	100.0	19,360	100.0
DISEASES OF THE HEART	3,628	35.5	3,408	37.3	7,036	36.3
MALIGNANT NEOPLASMS	2,443	23.9	1,990	21.8	4,433	22.9
CEREBROVASCULAR DISEASES	472	4.6	732	8.0	1,204	6.2
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	549	5.4	375	4.1	924	4.8
ACCIDENTS, ALL FORMS	567	5.6	290	3.2	857	4.4
PNEUMONIA AND INFLUENZA	354	3.5	357	3.9	711	3.7
DIABETES MELLITUS	193	1.9	293	3.2	486	2.5
SUICIDE	188	1.8	32	0.3	220	1.1
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	102	1.0	93	1.0	195	1.0
CHRONIC LIVER DISEASE AND CIRRHOSIS	127	1.2	55	0.6	182	0.9
ATHEROSCLEROSIS	68	0.7	96	1.0	164	0.8
ALL OTHER CAUSES (RESIDUAL)	1,521	14.9	1,427	15.6	2,948	15.2

LEADING CAUSES OF DEATH	UNDER ONE YEAR					
	MALE		FEMALE		TOTAL	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL DEATHS, ALL CAUSES	130	100.0	92	100.0	222	100.0
CONGENITAL ANOMALIES	34	26.2	26	28.3	60	27.0
SUDDEN INFANT DEATH SYNDROME	23	17.7	15	16.3	38	17.1
ILL-DEFINED CONDITIONS ORIGINATING IN PERINATAL PERIOD	12	9.2	6	6.5	18	8.1
SHORT GESTATION AND UNSPECIFIED LOW BIRTH WEIGHT	9	6.9	8	8.7	17	7.7
RESPIRATORY DISTRESS SYNDROME	10	7.7	5	5.4	15	6.8
OTHER RESPIRATORY CONDITIONS OF NEWBORN	7	5.4	7	7.6	14	6.3
COMPLICATIONS OF PLACENTA, CORD, AND MEMBRANES	5	3.8	1	1.1	6	2.7
MATERNAL COMPLICATIONS OF PREGNANCY	3	2.3	2	2.2	5	2.3
INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	0	0.0	5	5.4	5	2.3
SEPTICEMIA	3	2.3	1	1.1	4	1.8
OTHER DISEASES OF NERVOUS SYSTEM AND SENSE ORGANS	4	3.1	0	0.0	4	1.8
ALL OTHER CAUSES (RESIDUAL)	20	15.4	16	17.4	36	16.2

LEADING CAUSES OF DEATH	ONE TO FOUR YEARS					
	MALE		FEMALE		TOTAL	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL DEATHS, ALL CAUSES	14	100.0	17	100.0	31	100.0
ACCIDENTS, ALL FORMS	7	50.0	7	41.2	14	45.2
CONGENITAL ANOMALIES	3	21.4	3	17.6	6	19.4
MALIGNANT NEOPLASMS	2	14.3	1	5.9	3	9.7
ALL OTHER CAUSES (RESIDUAL)	2	14.3	6	35.3	8	25.8

LEADING CAUSES OF RESIDENT DEATHS BY AGE GROUP AND SEX
WEST VIRGINIA, 1990
Table 28 (cont'd)

LEADING CAUSES OF DEATH	FIVE TO NINE YEARS					
	MALE		FEMALE		TOTAL	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL DEATHS, ALL CAUSES	11	100.0	11	100.0	22	100.0
ACCIDENTS, ALL FORMS	4	36.4	6	54.5	10	45.5
MALIGNANT NEOPLASMS	3	27.3	3	27.3	6	27.3
DISEASES OF THE HEART	1	9.1	1	9.1	2	9.1
ALL OTHER CAUSES (RESIDUAL)	3	27.3	1	9.1	4	18.2

LEADING CAUSES OF DEATH	TEN TO FOURTEEN YEARS					
	MALE		FEMALE		TOTAL	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL DEATHS, ALL CAUSES	22	100.0	12	100.0	34	100.0
ACCIDENTS, ALL FORMS	19	86.4	7	58.3	26	76.5
CONGENITAL ANOMALIES	1	4.5	1	8.3	2	5.9
ALL OTHER CAUSES (RESIDUAL)	2	9.1	4	33.3	6	17.6

LEADING CAUSES OF DEATH	FIFTEEN TO TWENTY-FOUR YEARS					
	MALE		FEMALE		TOTAL	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL DEATHS, ALL CAUSES	197	100.0	63	100.0	260	100.0
ACCIDENTS, ALL FORMS	107	54.3	33	52.4	140	53.8
SUICIDE	34	17.3	3	4.8	37	14.2
HOMICIDE	19	9.6	6	9.5	25	9.6
MALIGNANT NEOPLASMS	7	3.6	2	3.2	9	3.5
DISEASES OF THE HEART	6	3.0	3	4.8	9	3.5
CONGENITAL ANOMALIES	4	2.0	0	0.0	4	1.5
ALL OTHER CAUSES (RESIDUAL)	20	10.2	16	25.4	36	13.8

LEADING CAUSES OF RESIDENT DEATHS BY AGE GROUP AND SEX
WEST VIRGINIA, 1990
Table 28 (cont'd)

LEADING CAUSES OF DEATH	TWENTY-FIVE TO THIRTY-FOUR YEARS					
	MALE		FEMALE		TOTAL	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL DEATHS, ALL CAUSES	279	100.0	98	100.0	377	100.0
ACCIDENTS, ALL FORMS	122	43.7	36	36.7	158	41.9
SUICIDE	28	10.0	7	7.1	35	9.3
HOMICIDE	29	10.4	6	6.1	35	9.3
MALIGNANT NEOPLASMS	17	6.1	17	17.3	34	9.0
DISEASES OF THE HEART	21	7.5	5	5.1	26	6.9
DIABETES MELLITUS	3	1.1	3	3.1	6	1.6
SEPTICEMIA	2	0.7	3	3.1	5	1.3
CEREBROVASCULAR DISEASES	4	1.4	1	1.0	5	1.3
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	1	0.4	2	2.0	3	0.8
CHRONIC LIVER DISEASE AND CIRRHOSIS	2	0.7	1	1.0	3	0.8
ALL OTHER CAUSES (RESIDUAL)	50	17.9	17	17.3	67	17.8

LEADING CAUSES OF DEATH	THIRTY-FIVE TO FORTY-FOUR YEARS					
	MALE		FEMALE		TOTAL	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL DEATHS, ALL CAUSES	370	100.0	196	100.0	566	100.0
MALIGNANT NEOPLASMS	54	14.6	82	41.8	136	24.0
DISEASES OF THE HEART	86	23.2	29	14.8	115	20.3
ACCIDENTS, ALL FORMS	85	23.0	27	13.8	112	19.8
SUICIDE	35	9.5	9	4.6	44	7.8
HOMICIDE	19	5.1	4	2.0	23	4.1
DIABETES MELLITUS	7	1.9	8	4.1	15	2.7
CHRONIC LIVER DISEASE AND CIRRHOSIS	14	3.8	1	0.5	15	2.7
CEREBROVASCULAR DISEASES	6	1.6	7	3.6	13	2.3
PNEUMONIA AND INFLUENZA	3	0.8	3	1.5	6	1.1
CONGENITAL ANOMALIES	5	1.4	1	0.5	6	1.1
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	3	0.8	0	0.0	3	0.5
ALL OTHER CAUSES (RESIDUAL)	53	14.3	25	12.8	78	13.8

LEADING CAUSES OF RESIDENT DEATHS BY AGE GROUP AND SEX
WEST VIRGINIA, 1990
Table 28 (cont'd)

LEADING CAUSES OF DEATH	FORTY-FIVE TO FIFTY-FOUR YEARS					
	MALE		FEMALE		TOTAL	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL DEATHS, ALL CAUSES	587	100.0	380	100.0	967	100.0
MALIGNANT NEOPLASMS	163	27.8	157	41.3	320	33.1
DISEASES OF THE HEART	210	35.8	91	23.9	301	31.1
ACCIDENTS, ALL FORMS	42	7.2	24	6.3	66	6.8
DIABETES MELLITUS	20	3.4	18	4.7	38	3.9
CHRONIC LIVER DISEASE AND CIRRHOSIS	22	3.7	9	2.4	31	3.2
SUICIDE	17	2.9	9	2.4	26	2.7
CEREBROVASCULAR DISEASES	14	2.4	11	2.9	25	2.6
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	12	2.0	10	2.6	22	2.3
PNEUMONIA AND INFLUENZA	7	1.2	3	0.8	10	1.0
HOMICIDE	8	1.4	0	0.0	8	0.8
CONGENITAL ANOMALIES	1	0.2	4	1.1	5	0.5
ALL OTHER CAUSES (RESIDUAL)	71	12.1	44	11.6	115	11.9

LEADING CAUSES OF DEATH	FIFTY-FIVE TO SIXTY-FOUR YEARS					
	MALE		FEMALE		TOTAL	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL DEATHS, ALL CAUSES	1,476	100.0	882	100.0	2,358	100.0
MALIGNANT NEOPLASMS	488	33.1	358	40.6	846	35.9
DISEASES OF THE HEART	555	37.6	257	29.1	812	34.4
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	63	4.3	47	5.3	110	4.7
DIABETES MELLITUS	30	2.0	46	5.2	76	3.2
CEREBROVASCULAR DISEASES	37	2.5	36	4.1	73	3.1
ACCIDENTS, ALL FORMS	40	2.7	17	1.9	57	2.4
CHRONIC LIVER DISEASE AND CIRRHOSIS	38	2.6	9	1.0	47	2.0
PNEUMONIA AND INFLUENZA	18	1.2	18	2.0	36	1.5
SUICIDE	31	2.1	1	0.1	32	1.4
ATHEROSCLEROSIS	9	0.6	6	0.7	15	0.6
SEPTICEMIA	8	0.5	4	0.5	12	0.5
ALL OTHER CAUSES (RESIDUAL)	159	10.8	83	9.4	242	10.3

LEADING CAUSES OF RESIDENT DEATHS BY AGE GROUP AND SEX
WEST VIRGINIA, 1990
Table 28 (cont'd)

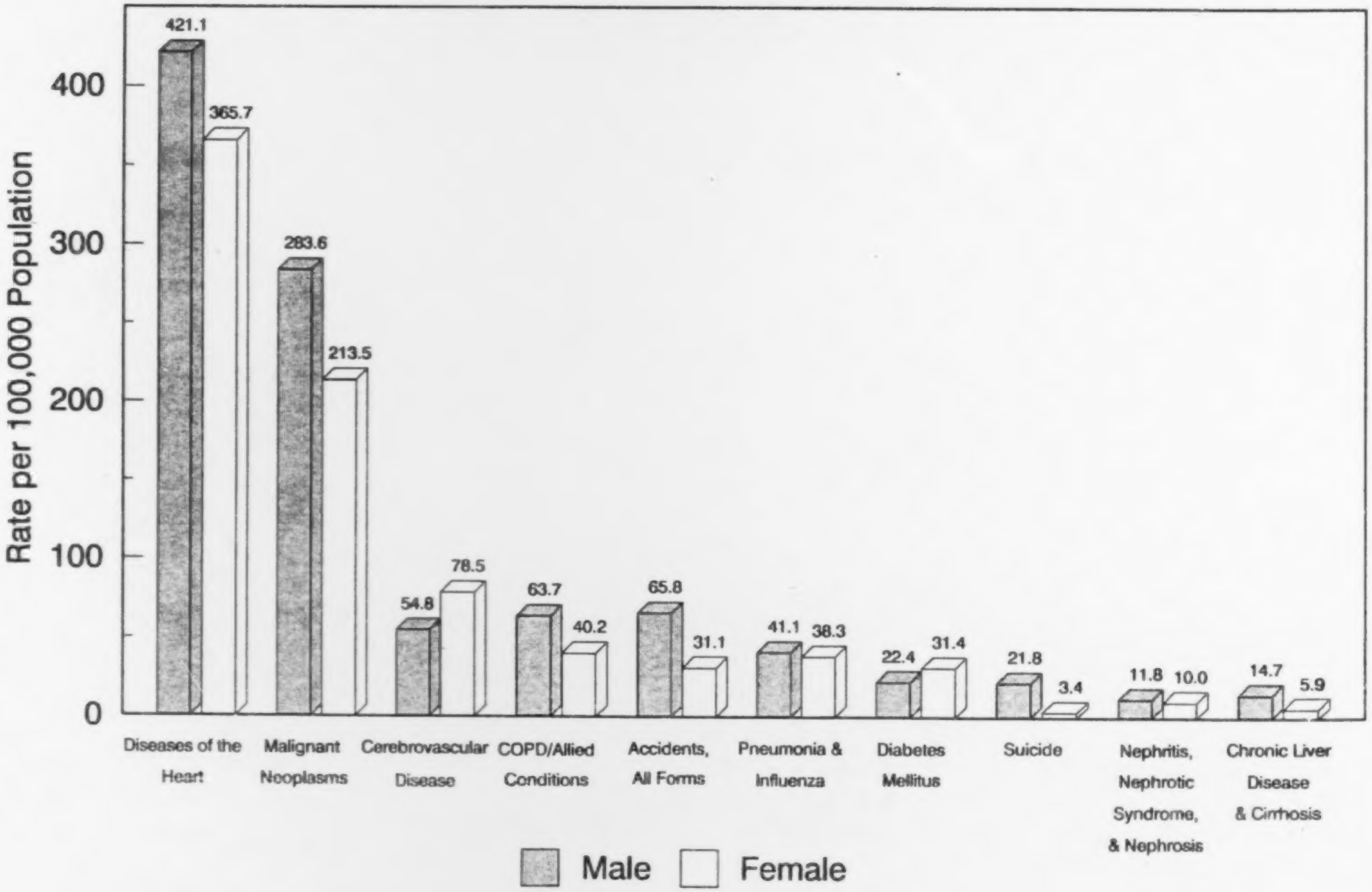
LEADING CAUSES OF DEATH	SIXTY-FIVE TO SEVENTY-FOUR YEARS					
	MALE		FEMALE		TOTAL	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL DEATHS, ALL CAUSES	2,848	100.0	1,948	100.0	4,796	100.0
DISEASES OF THE HEART	1,036	36.4	658	33.8	1,694	35.3
MALIGNANT NEOPLASMS	872	30.6	625	32.1	1,497	31.2
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	196	6.9	136	7.0	332	6.9
CEREBROVASCULAR DISEASES	114	4.0	128	6.6	242	5.0
DIABETES MELLITUS	68	2.4	71	3.6	139	2.9
PNEUMONIA AND INFLUENZA	80	2.8	44	2.3	124	2.6
ACCIDENTS, ALL FORMS	49	1.7	31	1.6	80	1.7
CHRONIC LIVER DISEASE AND CIRRHOSIS	34	1.2	24	1.2	58	1.2
COAL WORKER'S PNEUMOCONIOSIS	40	1.4	0	0.0	40	0.8
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	25	0.9	14	0.7	39	0.8
SEPTICEMIA	14	0.5	16	0.8	30	0.6
ALL OTHER CAUSES (RESIDUAL)	320	11.2	201	10.3	521	10.9

LEADING CAUSES OF DEATH	SEVENTY-FIVE TO EIGHTY-FOUR YEARS					
	MALE		FEMALE		TOTAL	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL DEATHS, ALL CAUSES	2,895	100.0	2,776	100.0	5,671	100.0
DISEASES OF THE HEART	1,140	39.4	1,125	40.5	2,265	39.9
MALIGNANT NEOPLASMS	641	22.1	524	18.9	1.165	20.5
CEREBROVASCULAR DISEASES	175	6.0	261	9.4	436	7.7
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	198	6.8	121	4.4	319	5.6
PNEUMONIA AND INFLUENZA	124	4.3	104	3.7	228	4.0
DIABETES MELLITUS	47	1.6	95	3.4	142	2.5
ACCIDENTS, ALL FORMS	63	2.2	53	1.9	116	2.0
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	40	1.4	34	1.2	74	1.3
ATHEROSCLEROSIS	20	0.7	28	1.0	48	0.8
COAL WORKER'S PNEUMOCONIOSIS	46	1.6	0	0.0	46	0.8
SEPTICEMIA	21	0.7	24	0.9	45	0.8
ALL OTHER CAUSES (RESIDUAL)	380	13.1	407	14.7	787	13.9

LEADING CAUSES OF RESIDENT DEATHS BY AGE GROUP AND SEX
WEST VIRGINIA, 1990
Table 28 (cont'd)

LEADING CAUSES OF DEATH	EIGHTY-FIVE AND OVER					
	MALE		FEMALE		TOTAL	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL DEATHS, ALL CAUSES	1,383	100.0	2,673	100.0	4,056	100.0
DISEASES OF THE HEART	571	41.3	1,236	46.2	1,807	44.6
MALIGNANT NEOPLASMS	194	14.0	221	8.3	415	10.2
CEREBROVASCULAR DISEASES	122	8.8	287	10.7	409	10.1
PNEUMONIA AND INFLUENZA	118	8.5	182	6.8	300	7.4
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	74	5.4	57	2.1	131	3.2
ATHEROSCLEROSIS	20	1.4	55	2.1	75	1.8
ACCIDENTS, ALL FORMS	28	2.0	46	1.7	74	1.8
DIABETES MELLITUS	17	1.2	52	1.9	69	1.7
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	26	1.9	37	1.4	63	1.6
SEPTICEMIA	13	0.9	37	1.4	50	1.2
ANEMIAS	6	0.4	15	0.6	21	0.5
ALL OTHER CAUSES (RESIDUAL)	194	14.0	448	16.8	642	15.8

1990 TEN LEADING CAUSES OF DEATH BY SEX
West Virginia Resident Deaths
Exhibit 13



FETAL DEATHS, NEONATAL DEATHS, AND POSTNEONATAL DEATHS
NUMBER AND RATIO
WEST VIRGINIA RESIDENT DEATHS, 1925-1990
Table 29

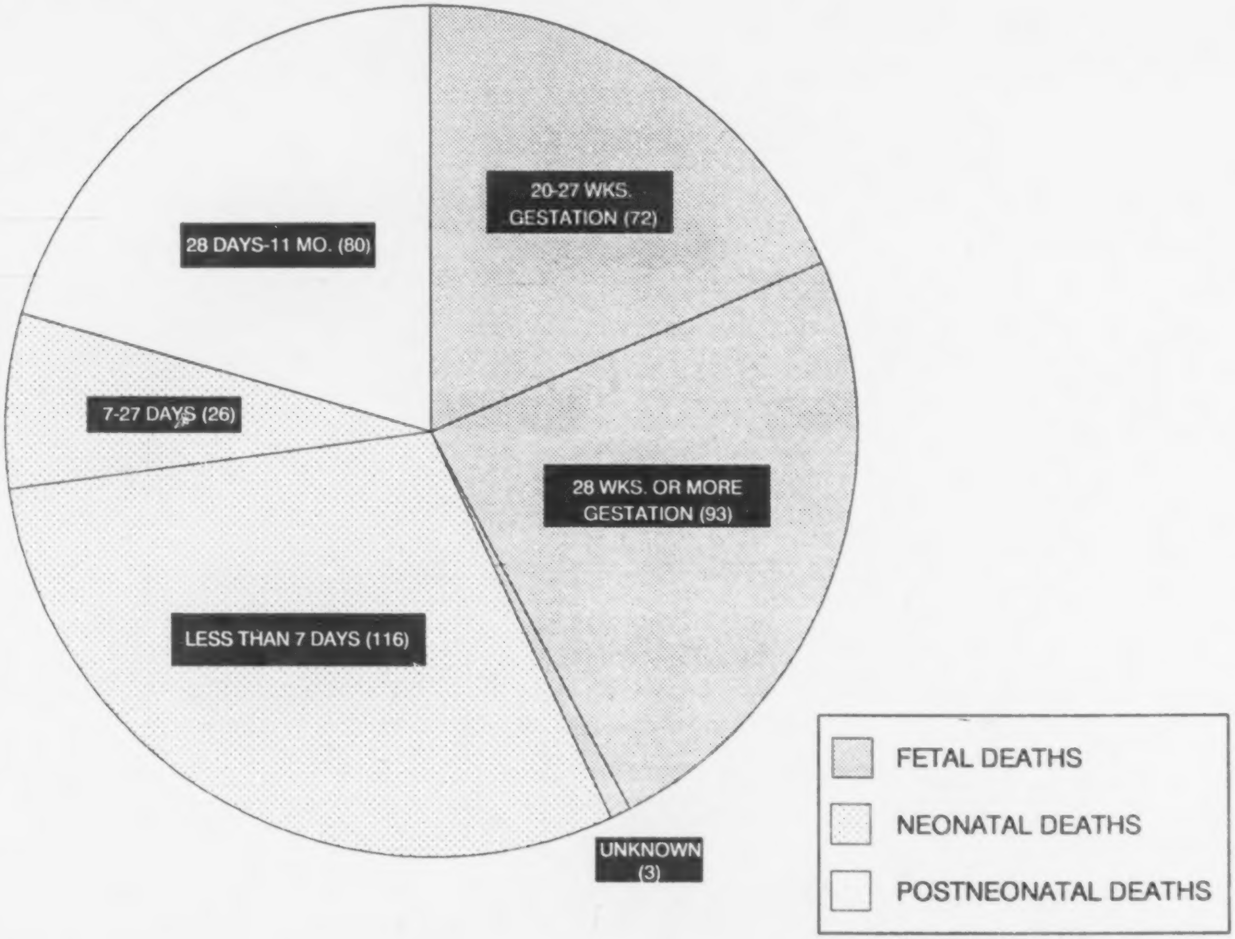
YEAR	FETAL DEATHS		NEONATAL DEATHS		POSTNEONATAL DEATHS	
	NUMBER	RATIO PER 1,000 LIVE BIRTHS	NUMBER	RATE* PER 1,000 LIVE BIRTHS	NUMBER	RATE* PER 1,000 LIVE BIRTHS
1925	1,740	38.5	N/A	N/A	N/A	N/A
1930	1,547	37.2	N/A	N/A	N/A	N/A
1935	1,647	39.4	1,467	35.1	1,071	25.6
1940	1,483	35.4	1,321	31.5	937	22.4
1945	1,594	41.5	1,085	28.2	928	24.1
1950	1,126	22.1	1,184	23.3	665	13.1
1955	813	18.4	847	19.2	351	7.9
1960	583	14.7	713	18.0	292	7.4
1965	575	18.0	649	20.3	218	6.8
1970	513	17.0	542	17.9	163	5.4
1975	323	11.6	385	13.8	128	4.6
1980	275	9.3	235	8.0	112	3.8
1981	293	10.5	246	8.8	117	4.2
1982	272	10.0	197	7.2	115	4.2
1983	264	10.2	181	7.0	100	3.9
1984	221	9.0	174	7.1	95	3.9
1985	208	8.6	175	7.3	82	3.4
1986	174	7.5	153	6.6	84	3.6
1987	172	7.7	151	6.7	68	3.0
1988	151	6.9	128	5.9	69	3.2
1989	202	9.2	138	6.3	70	3.2
1990	168	7.4	142	6.3	80	3.5

* Neonatal rate plus postneonatal rate does not always add to overall infant death rate found elsewhere in this publication due to rounding.

FETAL DEATHS, NEONATAL DEATHS, AND POSTNEONATAL DEATHS

1990 West Virginia Resident Deaths

Exhibit 14



CAUSES OF RESIDENT INFANT DEATHS BY AGE
WEST VIRGINIA, 1990
Table 30

ICDA 9 CODE NUMBER	CAUSE OF DEATH	UNDER 1 DAY	1 TO 6 DAYS	7 TO 27 DAYS	28 DAYS TO 11 MONTHS	TOTAL
001-999	TOTAL DEATHS, ALL CAUSES	84	32	26	80	222
008-009	CERTAIN INTESTINAL INFECTIONS	0	0	0	1	1
038	SEPTICEMIA	1	1	0	2	4
045-079	VIRAL DISEASES	0	0	1	0	1
140-208	MALIGNANT NEOPLASMS	0	0	1	1	2
323-389	OTHER DISEASES OF NERVOUS SYSTEM AND SENSE ORGANS	0	1	0	3	4
390-398,402 404-429	DISEASES OF THE HEART	2	0	0	1	3
466,490-491	BRONCHITIS AND BRONCHIOLITIS	0	0	0	2	2
480-487	PNEUMONIA AND INFLUENZA	1	0	0	1	2
480-486	PNEUMONIA	1	0	0	1	2
553,555-558	GASTRITIS, DUODENITIS, AND NONINFECTIVE ENTERITIS COLITIS	0	0	0	1	1
740-759	CONGENITAL ANOMALIES	22	17	10	11	60
740	ANENCEPHALUS AND SIMILAR ANOMALIES	2	0	0	0	2
742	OTHER CONGENITAL ANOMALIES OF NERVOUS SYSTEM	3	2	1	2	8
742.3	CONGENITAL HYDROCEPHALUS	0	2	0	1	3
745-746	CONGENITAL ANOMALIES OF HEART	3	4	6	7	20
747	OTHER CONGENITAL ANOMALIES OF CIRCULATORY SYSTEM	0	3	2	0	5
748	CONGENITAL ANOMALIES OF RESPIRATORY SYSTEM	6	3	1	1	11
749-751	CONGENITAL ANOMALIES OF DIGESTIVE SYSTEM	1	0	0	0	1
752-753	CONGENITAL ANOMALIES OF GENITOURINARY SYSTEM	2	1	0	0	3
754-756	CONGENITAL ANOMALIES OF MUSCULOSKELETAL SYSTEM	1	0	0	0	1
758	CHROMOSOMAL ANOMALIES	2	1	0	0	3
758.0	DOWN'S SYNDROME	1	0	0	0	1
744,757,759	OTHER AND UNSPECIFIED CONGENITAL ANOMALIES	2	3	0	1	6
760-779	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	56	13	7	8	84
761	NEWBORN AFFECTED BY MATERNAL COMPLICATIONS OF PREGNANCY	5	0	0	0	5
762	NEWBORN AFFECTED BY COMPLICATIONS OF PLACENTA, CORD, AND MEMBRANES	6	0	0	0	6
765	DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTHWEIGHT	17	0	0	0	17
767	BIRTH TRAUMA	0	1	0	0	1
768	INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	4	1	0	0	5
768.2-768.4	FETAL DISTRESS IN LIVEBORN INFANT	0	1	0	0	1
768.5-768.9	BIRTH ASPHYXIA	4	0	0	0	4
769	RESPIRATORY DISTRESS SYNDROME	7	6	1	1	15
770	OTHER RESPIRATORY CONDITIONS OF NEWBORN	7	1	1	5	14
771	INFECTIONS SPECIFIC TO THE PERINATAL PERIOD	1	0	1	0	2
772	NEONATAL HEMORRHAGE	0	1	0	0	1
776.1-779	ALL OTHER AND ILL-DEFINED CONDITIONS ORIGINATING IN PERINATAL PERIOD	9	3	4	2	18
780-799	SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS	1	0	5	39	45
798.0	SUDDEN INFANT DEATH SYNDROME	0	0	5	33	38
E800-999	EXTERNAL CAUSES OF INJURY AND POISONING	0	0	2	5	7
E800-949	ACCIDENTS, ALL FORMS	0	0	0	4	4
E810-825	MOTOR VEHICLE ACCIDENTS	0	0	0	2	2
E910-915	ACCIDENTS CAUSED BY SUBMERSION, SUFFOCATION AND FOREIGN BODIES	0	0	0	2	2
E911	INHALATION AND INGESTION OF FOOD CAUSING OBSTRUCTION OF RESPIRATORY TRACT OR SUFFOCATION	0	0	0	1	1
E913	ACCIDENTAL MECHANICAL SUFFOCATION	0	0	0	1	1
E960-969	HOMICIDE	0	0	1	1	2
RESIDUAL	ALL OTHER CAUSES	1	0	0	5	6

RESIDENT INFANT DEATHS AND SELECTED RISK FACTORS ASSOCIATED WITH INFANT DEATHS BY RACE

WEST VIRGINIA, 1990

Table 31

FACTOR	WHITE		BLACK		OTHER		TOTAL	
	NUMBER	RATE OR PERCENT	NUMBER	RATE OR PERCENT	NUMBER	RATE OR PERCENT	NUMBER	RATE OR PERCENT
Infant Mortality:								
Neonatal Rate*	131	6.1	11	12.7	0	0.0	142	6.3
Postneonatal Rate**	76	3.5	4	4.6	0	0.0	80	3.5
Low Birthweight (<2500 g):								
% of Total Births	1,481	6.9	114	13.2	7	5.6	1,602	7.1
% of Births to Mothers <20 Years	346	9.0	30	14.9	0	0.0	376	9.3
Births to Teenage Mothers:								
% to Mothers <20 Years	3,838	17.8	201	23.3	1	0.8	4,040	17.9
% to Mothers <15 Years	44	0.2	12	1.4	0	0.0	56	0.2
Births with Known Prenatal Care:								
% 1st Trimester Prenatal Care	15,601	72.2	417	48.3	81	65.3	16,099	71.3
% 3rd Trimester or No Prenatal Care	1,115	5.2	119	13.8	10	8.1	1,244	5.5
Gestational Age:								
37+ Weeks	18,659	86.4	661	76.6	113	91.1	19,433	86.1
< 37 Weeks	2,126	9.8	144	16.7	6	4.8	2,276	10.1
Unknown	810	3.8	58	6.7	5	4.0	873	3.9

*Deaths before 28 days of life per 1,000 live births

**Deaths age 28 days through 11 months per 1,000 live births

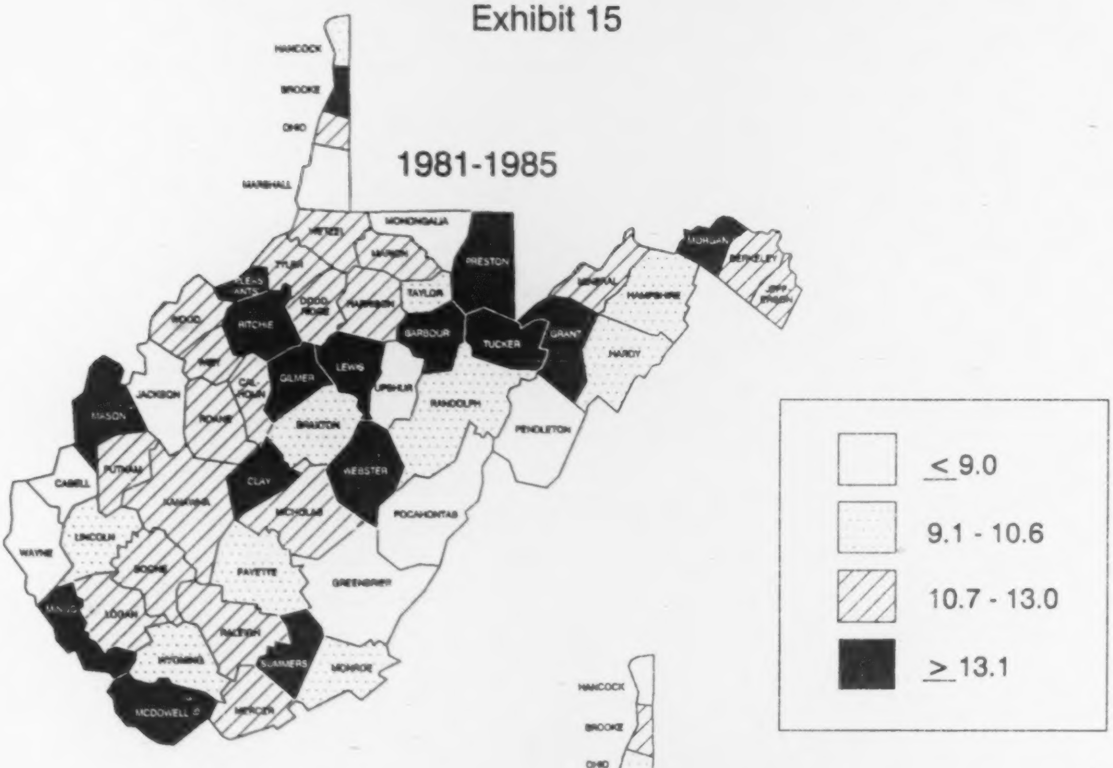
NUMBER AND RATE OF RESIDENT INFANT DEATHS BY COUNTY
WEST VIRGINIA, 1986-1990
Table 32

COUNTY	YEAR									
	1986		1987		1988		1989		1990	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
BARBOUR	1	4.7	3	18.0	0	0.0	4	18.5	2	10.5
BERKELEY	4	5.1	3	3.7	6	7.0	11	12.0	7	7.6
BOONE	4	10.7	4	12.9	0	0.0	3	11.4	0	0.0
BRAXTON	1	5.6	2	10.2	3	16.6	1	6.3	3	15.7
BROOKE	4	16.2	3	11.2	4	16.3	3	12.3	2	6.5
CABELL	18	15.0	10	8.9	13	11.5	10	8.6	11	9.2
CALHOUN	1	7.8	3	31.6	0	0.0	4	45.5	0	0.0
CLAY	1	5.3	0	0.0	1	7.2	1	7.5	0	0.0
DODDRIDGE	0	0.0	0	0.0	1	19.6	0	0.0	0	0.0
FAYETTE	5	8.2	4	6.8	8	14.9	7	12.9	5	8.8
GILMER	1	10.3	2	20.4	2	22.5	1	12.5	0	0.0
GRANT	2	15.7	0	0.0	1	8.3	1	6.9	1	7.8
GREENBRIER	3	7.1	2	5.1	2	5.0	2	4.9	0	0.0
HAMPSHIRE	0	0.0	2	9.3	1	5.3	3	12.1	3	12.7
HANCOCK	3	8.1	3	8.0	1	3.0	4	11.6	3	7.7
HARDY	0	0.0	1	9.0	2	13.5	4	24.7	2	13.4
HARRISON	15	15.1	12	13.2	7	8.5	5	6.2	10	11.1
JACKSON	3	8.6	3	9.6	4	12.6	5	15.5	2	6.6
JEFFERSON	9	17.6	7	13.[illegible]	3	5.7	5	9.0	5	9.1
KANAWHA	19	7.0	22	8.1	18	7.0	24	9.1	26	10.1
LEWIS	5	21.5	1	4.8	2	9.7	6	29.9	1	5.3
LINCOLN	0	0.0	3	10.1	6	21.7	4	14.2	6	19.5
LOGAN	3	5.2	5	9.6	2	3.8	4	7.1	7	14.1
MCDOWELL	7	11.3	3	5.2	11	21.0	7	13.2	5	9.7
MARION	10	15.4	8	11.5	7	10.7	9	13.5	6	9.1
MARSHALL	3	6.4	3	7.1	2	4.3	3	6.7	3	6.8
MASON	2	7.0	2	6.5	2	6.4	0	0.0	5	17.1
MERCER	11	13.9	7	9.0	8	10.6	4	5.1	10	12.3
MINERAL	2	6.6	3	8.9	5	15.4	5	15.6	5	14.9
MINGO	6	11.0	6	12.2	4	8.6	3	6.0	5	9.9
MONONGALIA	11	12.4	9	9.8	4	4.6	8	9.5	15	15.8
MONROE	4	25.8	3	19.2	0	0.0	0	0.0	1	7.2
MORGAN	1	9.0	4	32.8	0	0.0	1	6.8	1	7.1
NICHOLAS	9	23.6	3	8.3	1	3.1	2	6.2	3	8.5
OHIO	8	11.9	10	15.2	8	11.8	2	3.3	4	6.3
PENDLETON	4	36.7	1	8.8	1	8.8	3	29.4	1	10.9
PLEASANTS	1	12.8	1	13.0	1	11.0	0	0.0	2	19.6
POCAHONTAS	1	10.0	0	0.0	1	9.5	1	9.1	0	0.0
PRESTON	6	15.3	6	16.8	7	18.2	2	5.7	3	8.7
PUTNAM	4	6.9	3	5.5	4	7.8	2	3.6	2	3.7
RALEIGH	11	12.0	3	3.5	7	8.2	7	8.6	14	15.7
RANDOLPH	4	11.4	5	13.3	8	23.3	4	10.8	3	8.7
RITCHIE	1	8.3	0	0.0	0	0.0	2	18.3	0	0.0
ROANE	3	15.8	0	0.0	2	10.6	0	0.0	2	10.9
SUMMERS	1	6.7	2	14.0	1	7.7	0	0.0	1	8.2
TAYLOR	2	10.4	1	5.4	0	0.0	3	15.2	3	16.2
TUCKER	0	0.0	1	13.5	2	27.8	0	0.0	6	64.5
TYLER	0	0.0	1	9.1	1	9.8	2	15.4	0	0.0
UPSHUR	2	5.9	6	20.8	0	0.0	3	11.5	6	18.6
WAYNE	4	7.6	5	9.9	8	16.1	6	11.7	3	6.0
WEBSTER	3	21.1	3	19.5	0	0.0	0	0.0	3	21.9
WETZEL	2	6.7	3	12.3	3	11.7	1	4.0	1	3.6
WIRT	0	0.0	2	30.3	1	13.7	0	0.0	1	17.5
WOOD	11	9.7	15	13.2	8	7.1	13	11.5	10	8.6
WYOMING	1	2.6	5	14.6	3	8.8	3	8.1	2	6.0
TOTAL	237	10.2	219	9.8	197	9.0	208	9.4	222	9.8

RESIDENT INFANT DEATH RATES BY COUNTY

West Virginia, 1981-1985 and 1986-1990

Exhibit 15


1981-1985
1986-1990
< 9.0
9.1 - 10.6
10.7 - 13.0
> 13.1
HANCOCK
BROOKE
OHIO
MARSHALL
WETZEL
MONONGALIA
TYLER
MARION
PRESTON
MORGAN
BERKELEY
JEFFERSON
MINERAL
HAMPSHIRE
PLEASANTS
WOOD
RITCHIE
DODDRIDGE
HARRISON
TAYLOR
BARBOUR
TUCKER
GRANT
HARDY
WIRT
GILMER
LEWIS
CALHOUN
UPSHUR
RANDOLPH
PENDLETON
JACKSON
MASON
ROANE
BRAXTON
PUTNAM
CABELL
CLAY
WEBSTER
KANAWHA
NICHOLAS
POCAHONTAS
WAYNE
LINCOLN
BOONE
FAYETTE
GREENBRIER
MINGO
LOGAN
RALEIGH
WYOMING
SUMMERS
MONROE
MCDOWELL
MERCER

CAUSES OF RESIDENT FETAL DEATHS
WEST VIRGINIA, 1986-1990
Table 33

ICDA 9 CODE	CAUSE OF DEATH	1986	1987	1988	1989	1990
740-779,799.9	TOTAL FETAL DEATHS, ALL CAUSES	174	172	151	202	168
740-759	CONGENITAL ANOMALIES	19	11	17	19	16
740	Anencephalus	4	3	7	3	6
741	Spina bifida	1	0	0	1	0
742	Other anomalies of nervous system	1	2	1	0	3
746	Other anomalies of heart	0	0	0	0	1
748	Anomalies of respiratory system	0	0	0	0	2
753	Anomalies of urinary system	0	0	0	0	1
758	Chromosomal anomalies	1	0	1	1	1
758.0	Down's Syndrome	0	0	1	0	1
759	Other and unspecified anomalies	5	3	5	6	2
759.7	Multiple congenital anomalies	4	0	4	0	0
760-779	CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	155	161	134	171	151
760	Maternal conditions	7	5	9	8	10
760.1	Maternal renal and urinary tract diseases	0	0	0	0	1
760.2	Maternal infections	0	0	0	0	1
760.5	Maternal injury	1	1	1	0	2
760.7	Noxious influences affecting fetus via placenta or breast milk	0	0	0	0	1
761	Maternal complications of pregnancy	11	13	6	28	7
761.1	Premature rupture of membranes	4	7	4	6	4
761.5	Multiple pregnancy	2	1	0	1	0
761.8	Other specified conditions	0	0	1	12	1
762	Complications of placenta, cord and membranes	66	76	57	63	49
762.1	Premature rupture of membranes	22	24	16	26	17
762.2	Unspecified abnormalities of placenta	10	12	10	7	7
762.4	Prolapsed cord	2	2	2	2	1
762.5	Other compression of umbelical cord	21	26	25	25	17
762.6	Unspecified conditions of umbelical cord	8	6	1	4	4
762.7	Choriamnionitis	0	0	1	1	3
763	Other complications of labor and delivery	3	4	1	0	1
764	Slow fetal growth and fetal malnutrition	2	2	0	2	3
765	Short gestation and unspecified low birthweight	6	5	5	7	7
765.0	Extreme prematurity	2	3	2	2	3
765.1	Other preterm infants	4	2	2	5	4
766	Disorders relating to long gestation and high birthweight	0	0	0	0	1
768	Intrauterine hypoxia and birth asphyxia	3	1	3	4	6
770	Other respiratory conditions	1	0	0	1	3
771	Infections specific to perinatal period	1	0	2	0	1
772	Fetal hemmorhage	0	1	0	1	0
773	Hemolytic disease of fetus, due to isoimmunization	0	0	0	0	1
775	Endocrine and metabolic distrubances	4	4	3	2	3
775.0	Syndrome of "infant of a diabetic mother"	4	3	2	2	3
775.1	Neonatal diabetes mellitus	0	0	1	0	0
778	Integument and temperature regulation	4	0	0	1	1
779	Other and ill-defined conditions	46	50	48	53	58
779.6	Termination of pregnancy	1	5	2	3	0
779.9	Other and unspecified causes	44	37	40	42	58
799.9	RESIDUAL - ALL OTHER CAUSES AND UNKNOWN	0	0	0	12	1

NUMBER AND RATIO OF RESIDENT FETAL DEATHS BY COUNTY
WEST VIRGINIA, 1986-1990
Table 34

COUNTY	1986		1987		1988		1989		1990	
	NUMBER	RATIO*	NUMBER	RATIO*	NUMBER	RATIO*	NUMBER	RATIO*	NUMBER	RATIO*
BARBOUR	4	18.6	4	24.0	2	10.6	2	9.3	1	5.3
BERKELEY	4	5.1	4	4.9	1	1.2	10	10.9	4	4.3
BOONE	3	8.0	3	9.7	2	6.3	4	15.2	4	11.1
BRAXTON	4	22.2	1	5.1	1	5.5	0	0.0	1	5.2
BROOKE	1	4.0	1	3.7	2	8.2	3	12.3	1	3.2
CABELL	7	54.3	7	6.2	6	5.3	7	6.0	9	7.6
CALHOUN	2	15.5	0	0.0	1	9.7	0	0.0	1	10.5
CLAY	4	21.2	2	13.1	0	0.0	0	0.0	2	13.9
DODDRIDGE	0	0.0	0	0.0	1	19.6	0	0.0	0	0.0
FAYETTE	6	9.9	5	8.5	3	5.6	7	12.9	4	7.0
GILMER	2	20.6	0	0.0	0	0.0	0	0.0	1	13.0
GRANT	0	0.0	1	8.3	1	8.3	1	6.9	3	23.4
GREENBRIER	4	9.5	5	12.7	3	7.5	4	9.9	1	2.5
HAMPSHIRE	0	0.0	2	9.3	0	0.0	6	24.3	0	0.0
HANCOCK	1	2.7	2	5.3	2	6.1	1	2.9	2	5.1
HARDY	0	0.0	2	18.0	0	0.0	7	43.2	1	6.7
HARRISON	7	7.1	8	8.8	8	9.7	9	11.2	5	5.6
JACKSON	1	2.9	5	15.9	0	0.0	4	12.4	0	0.0
JEFFERSON	3	5.9	6	11.3	6	11.3	16	28.7	4	7.3
KANAWHA	23	8.5	15	5.5	20	7.8	15	5.7	20	7.8
LEWIS	3	12.9	1	4.8	2	9.7	4	19.9	1	5.3
LINCOLN	2	6.9	3	10.1	1	3.6	3	10.7	3	9.7
LOGAN	4	6.9	3	5.8	6	11.3	7	12.5	5	10.1
MCDOWELL	2	3.2	5	8.7	10	19.1	6	11.3	5	9.7
MARION	5	7.7	3	4.3	3	4.6	3	4.5	8	12.1
MARSHALL	4	8.5	1	2.4	3	6.4	7	15.6	3	6.8
MASON	1	3.5	0	0.0	3	9.6	2	7.6	1	3.4
MERCER	10	12.6	7	9.0	5	6.6	9	11.5	4	4.9
MINERAL	4	13.2	5	14.8	1	3.1	1	3.1	2	6.0
MINGO	10	18.3	2	4.1	8	17.1	5	10.0	2	4.0
MONONGALIA	4	4.5	6	6.6	5	5.8	6	7.1	6	6.3
MONROE	2	12.9	2	12.8	0	0.0	0	0.0	0	0.0
MORGAN	2	18.0	1	8.2	1	6.9	0	0.0	0	0.0
NICHOLAS	3	7.9	3	8.3	1	3.1	2	6.2	3	8.5
OHIO	3	4.5	10	15.2	2	3.0	2	3.3	3	4.7
PENDLETON	3	27.5	0	0.0	2	17.5	2	19.6	4	43.5
PLEASANTS	1	12.8	0	0.0	0	0.0	1	13.2	0	0.0
POCAHONTAS	1	10.0	1	8.5	3	28.6	0	0.0	2	16.4
PRESTON	2	5.1	2	5.6	1	2.6	3	8.6	2	5.8
PUTNAM	4	6.9	1	1.8	2	3.9	1	1.8	1	1.8
RALEIGH	4	4.4	11	12.7	8	9.4	12	14.8	12	13.5
RANDOLPH	2	5.7	9	23.9	4	11.7	4	10.8	2	5.8
RITCHIE	0	0.0	0	0.0	1	9.1	2	18.3	0	0.0
ROANE	2	10.5	0	0.0	2	10.6	1	5.2	1	5.5
SUMMERS	3	20.1	2	14.0	0	0.0	1	7.2	3	24.6
TAYLOR	2	10.4	1	5.4	2	9.8	1	5.1	4	21.6
TUCKER	0	0.0	0	0.0	1	13.9	1	11.6	1	10.8
TYLER	1	6.8	1	9.1	1	9.8	1	7.7	1	8.4
UPSHUR	1	2.9	0	0.0	3	10.8	3	11.5	3	9.3
WAYNE	3	5.7	2	4.0	0	0.0	2	3.9	6	11.9
WEBSTER	2	14.1	2	13.0	2	15.9	0	0.0	2	14.6
WETZEL	2	6.7	3	12.3	3	11.7	4	16.2	4	14.5
WIRT	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
WOOD	5	4.4	6	5.3	2	1.8	8	7.1	3	2.6
WYOMING	1	2.6	6	17.5	4	11.8	2	5.4	7	21.0
TOTAL	174	7.5	172	7.7	151	6.9	202	9.2	168	7.4

* FETAL DEATH RATIO = (FETAL DEATHS/LIVE BIRTHS) x 1,000 IN EACH RESPECTIVE COUNTY

CAUSES OF RESIDENT DEATHS: NUMBER AND RATE
WEST VIRGINIA, 1990
Table 35

ICDA 9 CODE NUMBER	CAUSE OF DEATH	NUMBER OF DEATHS	RATE
001-999	**TOTAL DEATHS, ALL CAUSES**	**19,360**	**10.8**
001-136	INFECTIOUS AND PARASITIC DISEASES	269	15.0
001-009	INTESTINAL INFECTIOUS DISEASES	1	0.1
008	INTESTINAL INFECTIONS DUE TO OTHER ORGANISMS	1	0.1
010-018	TUBERCULOSIS	12	0.7
011	PULMONARY TUBERCULOSIS	10	0.6
017	TUBERCULOSIS OF OTHER ORGANS	2	0.1
020-027	ZOONOTIC BACTERIAL DISEASES	3	0.2
027	OTHER ZOONOTIC BACTERIAL DISEASES	3	0.2
030-041	OTHER BACTERIAL DISEASES	155	8.6
038	SEPTICEMIA	151	8.4
040	OTHER BACTERIAL DISEASES	2	0.1
041	BACTERIAL INFECTION IN CONDITIONS CLASSIFIED ELSEWHERE AND OF UNSPECIFIED SITE	2	0.1
042	HUMAN IMMUNODEFICIENCY VIRUS INFECTION WITH SPECIFIED CONDITIONS	50	2.8
043	HUMAN IMMUNODEFICIENCY VIRUS INFECTION CAUSING OTHER SPECIFIED CONDITIONS	2	0.1
044	OTHER HUMAN IMMUNODEFICIENCY VIRUS INFECTION	1	0.1
045-049	POLIOMYELITIS AND OTHER NON-ARTHROPOD-BORNE VIRAL DISEASES OF CENTRAL NERVOUS SYSTEM	5	0.3
046	SLOW VIRUS INFECTION OF CENTRAL NERVOUS SYSTEM	1	0.1
049	OTHER NON-ARTHROPOD-BORNE VIRAL DISEASES OF CENTRAL NERVOUS SYSTEM	4	0.2
050-057	VIRAL DISEASES ACCOMPANIED BY EXANTHEM	5	0.3
052	CHICKENPOX	1	0.1
054	HERPES SIMPLEX	4	0.2
070-079	OTHER DISEASES DUE TO VIRUSES AND CHLAMYDIAE	17	0.9
070	VIRAL HEPATITIS	12	0.7
078	OTHER DISEASES DUE TO VIRUSES AND CHLAMYDIAE	4	0.2
079	VIRAL INFECTION IN CONDITIONS CLASSIFIED ELSEWHERE AND OF UNSPECIFIED SITE	1	0.1
110-118	MYCOSES	16	0.9
112	CANDIDIASIS	7	0.4
117	OTHER MYCOSES	9	0.5
130-136	OTHER INFECTIOUS AND PARASITIC DISEASES	2	0.1
135	SARCOIDOSIS	1	0.1
136	OTHER AND UNSPECIFIED INFECTIOUS AND PARASITIC DISEASES	1	0.1
137-139	LATE EFFECTS OF INFECTIOUS AND PARASITIC DISEASES	3	0.2
137	LATE EFFECTS OF TUBERCULOSIS	1	0.1
138	LATE EFFECTS OF ACUTE POLIOMYELITIS	2	0.1
140-239	NEOPLASMS	4,508	251.4
140-208	MALIGNANT NEOPLASMS	4,433	247.2
140-149	MALIGNANT NEOPLASM OF LIP, ORAL CAVITY, AND PHARYNX	64	3.6
140	MALIGNANT NEOPLASM OF LIP	1	0.1
141	MALIGNANT NEOPLASM OF TONGUE	12	0.7
142	MALIGNANT NEOPLASM OF MAJOR SALIVARY GLANDS	9	0.5
143	MALIGNANT NEOPLASM OF GUM	1	0.1
144	MALIGNANT NEOPLASM OF FLOOR OF MOUTH	3	0.2
145	MALIGNANT NEOPLASM OF OTHER AND UNSPECIFIED PARTS OF MOUTH	9	0.5
146	MALIGNANT NEOPLASM OF OROPHARYNX	4	0.2
147	MALIGNANT NEOPLASM OF NASOPHARYNX	5	0.3

CAUSES OF RESIDENT DEATHS: NUMBER AND RATE
WEST VIRGINIA, 1990
Table 35 (Cont'd)

ICDA 9 CODE NUMBER	CAUSE OF DEATH	NUMBER OF DEATHS	RATE
148	MALIGNANT NEOPLASM OF HYPOPHARYNX	3	0.2
149	MALIGNANT NEOPLASM OF OTHER AND ILL-DEFINED SITES WITHIN THE LIP, ORAL CAVITY, AND PHARYNX	17	0.9
150-159	MALIGNANT NEOPLASM OF DIGESTIVE ORGANS AND PERITONEUM	971	54.1
150	MALIGNANT NEOPLASM OF ESOPHAGUS	82	4.6
151	MALIGNANT NEOPLASM OF STOMACH	90	5.0
152	MALIGNANT NEOPLASM OF SMALL INTESTINE, INCLUDING DUODENUM	7	0.4
153	MALIGNANT NEOPLASM OF COLON	411	22.9
154	MALIGNANT NEOPLASM OF RECTUM, RECTOSIGMOID JUNCTION, AND ANUS	67	3.7
155	MALIGNANT NEOPLASM OF LIVER AND INTRAHEPATIC BILE DUCTS	66	3.7
156	MALIGNANT NEOPLASM OF GALLBLADDER AND EXTRAHEPATIC BILE DUCTS	44	2.5
157	MALIGNANT NEOPLASM OF PANCREAS	187	10.4
158	MALIGNANT NEOPLASM OF RETROPERITONEUM AND PERITONEUM	4	0.2
159	MALIGNANT NEOPLASM OF OTHER AND ILL-DEFINED SITES WITHIN THE DIGESTIVE ORGANS AND PERITONEUM	13	0.7
160-165	MALIGNANT NEOPLASM OF RESPIRATORY AND INTRATHORACIC ORGANS	1,475	82.2
160	MALIGNANT NEOPLASM OF NASAL CAVITIES, MIDDLE EAR, AND ACCESSORY SINUSES	3	0.2
161	MALIGNANT NEOPLASM OF LARYNX	30	1.7
162	MALIGNANT NEOPLASM OF TRACHEA, BRONCHUS, AND LUNG	1,441	80.3
164	MALIGNANT NEOPLASM OF THYMUS, HEART, AND MEDIASTINUM	1	0.1
170-175	MALIGNANT NEOPLASM OF BONE, CONNECTIVE TISSUE, SKIN, AND BREAST	433	24.1
170	MALIGNANT NEOPLASM OF BONE AND ARTICULAR CARTILAGE	6	0.3
171	MALIGNANT NEOPLASM OF CONNECTIVE AND OTHER SOFT TISSUE	32	1.8
172	MALIGNANT MELANOMA OF SKIN	56	3.1
173	OTHER MALIGNANT NEOPLASM OF SKIN	18	1.0
174	MALIGNANT NEOPLASM OF FEMALE BREAST	319	17.8
175	MALIGNANT NEOPLASM OF MALE BREAST	2	0.1
179-189	MALIGNANT NEOPLASM OF GENITOURINARY ORGANS	620	34.6
179	MALIGNANT NEOPLASM OF UTERUS, PART UNSPECIFIED	25	1.4
180	MALIGNANT NEOPLASM OF CERVIX UTERI	50	2.8
182	MALIGNANT NEOPLASM OF BODY OF UTERUS	16	0.9
183	MALIGNANT NEOPLASM OF OVARY AND OTHER UTERINE ADNEXA	89	5.0
184	MALIGNANT NEOPLASM OF OTHER AND UNSPECIFIED FEMALE GENITAL ORGANS	6	0.3
185	MALIGNANT NEOPLASM OF PROSTATE	262	14.6
186	MALIGNANT NEOPLASM OF TESTIS	2	0.1
187	MALIGNANT NEOPLASM OF PENIS AND OTHER MALE GENITAL ORGANS	2	0.1
188	MALIGNANT NEOPLASM OF BLADDER	83	4.6
189	MALIGNANT NEOPLASM OF KIDNEY AND OTHER AND UNSPECIFIED URINARY ORGANS	85	4.7
190-199	MALIGNANT NEOPLASM OF OTHER AND UNSPECIFIED SITES	490	27.3
190	MALIGNANT NEOPLASM OF EYE	2	0.1
191	MALIGNANT NEOPLASM OF BRAIN	86	4.8
192	MALIGNANT NEOPLASM OF OTHER AND UNSPECIFIED PARTS OF NERVOUS SYSTEM	3	0.2
193	MALIGNANT NEOPLASM OF THYROID GLAND	3	0.2
194	MALIGNANT NEOPLASM OF OTHER ENDOCRINE GLANDS AND RELATED STRUCTURES	3	0.2
195	MALIGNANT NEOPLASM OF OTHER AND ILL-DEFINED SITES	32	1.8
196	SECONDARY AND UNSPECIFIED MALIGNANT NEOPLASM OF LYMPH NODES	1	0.1
199	MALIGNANT NEOPLASM WITHOUT SPECIFICATION OF SITE	360	20.1
200-208	MALIGNANT NEOPLASM OF LYMPHATIC AND HEMATOPOIETIC TISSUE	380	21.2

CAUSES OF RESIDENT DEATHS: NUMBER AND RATE

WEST VIRGINIA, 1990

Table 35 (Cont'd)

ICDA 9 CODE NUMBER	CAUSE OF DEATH	NUMBER OF DEATHS	RATE
200	LYMPHOSARCOMA AND RETICULOSARCOMA	11	0.6
201	HODGKIN'S DISEASE	13	0.7
202	OTHER MALIGNANT NEOPLASM OF LYMPOID AND HISTIOCYTIC TISSUE	122	6.8
203	MULTIPLE MYELOMA AND IMMUNOPROLIFERATIVE NEOPLASMS	77	4.3
204	LYMPHOID LEUKEMIA	36	2.0
205	MYELOID LEUKEMIA	79	4.4
206	MONOCYTIC LEUKEMIA	5	0.3
207	OTHER SPECIFIED LEUKEMIA	1	0.1
208	LEUKEMIA OF UNSPECIFIED CELL TYPE	36	2.0
210-229, 235-239	BENIGN AND UNSPECIFIED NEOPLASMS AND NEOPLASMS OF UNCERTAIN BEHAVIOR	75	4.2
210-229	BENIGN NEOPLASMS	10	0.6
216	BENIGN NEOPLASM OF SKIN	1	0.1
225	BENIGN NEOPLASM OF BRAIN AND OTHER PARTS OF NERVOUS SYSTEM	7	0.4
227	BENIGN NEOPLASM OF OTHER ENDOCRINE GLANDS AND RELATED STRUCTURES	1	0.1
228	HEMANGIOMA AND LYMPHANGIOMA, ANY SITE	1	0.1
235-238	NEOPLASMS OF UNCERTAIN BEHAVIOR	13	0.7
237	NEOPLASM OF UNCERTAIN BEHAVIOR OF ENDOCRINE GLANDS AND NERVOUS SYSTEM	1	0.1
238	NEOPLASM OF UNCERTAIN BEHAVIOR OF OTHER AND UNSPECIFIED SITES AND TISSUES	12	0.7
239	NEOPLASMS OF UNSPECIFIED NATURE	52	2.9
240-279	ENDOCRINE, NUTRITIONAL, AND METABOLIC DISEASES AND IMMUNITY DISORDERS	638	35.6
240-246	DISORDERS OF THYROID GLAND	6	0.3
244	ACQUIRED HYPOTHYROIDISM	6	0.3
250-259	DISEASES OF OTHER ENDOCRINE GLANDS	492	27.4
250	DIABETES MELLITUS	486	27.1
251	OTHER DISORDERS OF PANCREATIC INTERNAL SECRETION	3	0.2
252	DISORDERS OF PARATHYROID GLAND	1	0.1
255	DISORDERS OF ADRENAL GLANDS	1	0.1
259	OTHER ENDOCRINE DISORDERS	1	0.1
260-269	NUTRITIONAL DEFICIENCIES	25	1.4
260	KWASHIORKOR	1	0.1
261	NUTRITIONAL MARASMUS	1	0.1
262	OTHER SEVERE PROTEIN-CALORIE MALNUTRITION	1	0.1
263	OTHER AND UNSPECIFIED PROTEIN-CALORIE MALNUTRITION	22	1.2
270-279	OTHER METABOLIC DISORDERS AND IMMUNITY DISORDERS	115	6.4
272	DISORDERS OF LIPOID METABOLISM	20	1.1
273	DISORDERS OF PLASMA PROTEIN METABOLISM	7	0.4
275	DISORDERS OF MINERAL METABOLISM	2	0.1
276	DISORDERS OF FLUID, ELECTROLYTE, AND ACID-BASE BALANCE	50	2.8
277	OTHER AND UNSPECIFIED DISORDERS OF METABOLISM	22	1.2
278	OBESITY AND OTHER HYPERALIMENTATION	12	0.7
279	DISORDERS INVOLVING THE IMMUNE MECHANISM	2	0.1
280-289	DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	80	4.5
280	IRON DEFICIENCY ANEMIAS	1	0.1
281	OTHER DEFICIENCY ANEMIAS	4	0.2

CAUSES OF RESIDENT DEATHS: NUMBER AND RATE
WEST VIRGINIA, 1990
Table 35 (Cont'd)

ICDA 9 CODE NUMBER	CAUSE OF DEATH	NUMBER OF DEATHS	RATE
282	HEREDITARY HEMOLYTIC ANEMIAS	1	0.1
284	APLASTIC ANEMIA	12	0.7
285	OTHER AND UNSPECIFIED ANEMIAS	24	1.3
286	COAGULATION DEFECTS	8	0.4
287	PURPURA AND OTHER HEMORRHAGIC CONDITIONS	7	0.4
288	DISEASES OF WHITE BLOOD CELLS	7	0.4
289	OTHER DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	16	0.9
290-319	MENTAL DISORDERS	243	13.5
290-294	ORGANIC PSYCHOTIC CONDITIONS	66	3.7
290	SENILE AND PRESENILE ORGANIC PSYCHOTIC CONDITIONS	63	3.5
291	ALCOHOLIC PSYCHOSES	3	0.2
295-299	OTHER PSYCHOSES	52	2.9
295	SCHIZOPHRENIC PSYCHOSES	2	0.1
298	OTHER NONORGANIC PSYCHOSES	50	2.8
300-316	NEUROTIC DISORDERS, PERSONALITY DISORDERS, AND OTHER NONPSYCHOTIC MENTAL DISORDERS	123	6.9
300	NEUROTIC DISORDERS	1	0.1
303	ALCOHOL DEPENDENCE SYNDROME	29	1.6
305	NONDEPENDENT ABUSE OF DRUGS	8	0.4
310	SPECIFIC NONPSYCHOTIC MENTAL DISORDERS FOLLOWING ORGANIC BRAIN DAMAGE	83	4.6
311	DEPRESSIVE DISORDER, NOT ELSEWHERE CLASSIFIED	2	0.1
317-319	MENTAL RETARDATION	2	0.1
319	UNSPECIFIED MENTAL RETARDATION	2	0.1
320-389	DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS	275	15.3
320-326	INFLAMMATORY DISEASES OF THE CENTRAL NERVOUS SYSTEM	8	0.4
320	BACTERIAL MENINGITIS	4	0.2
322	MENINGITIS OF UNSPECIFIED CAUSE	3	0.2
323	ENCEPHALITIS, MYELITIS, AND ENCEPHALOMYELITIS	1	0.1
330-337	HEREDITARY AND DEGENERATIVE DISEASES OF THE CENTRAL NERVOUS SYSTEM	187	10.4
330	CEREBRAL DEGENERATIONS USUALLY MANIFEST IN CHILDHOOD	2	0.1
331	OTHER CEREBRAL DEGENERATIONS	90	5.0
332	PARKINSON'S DISEASE	55	3.1
333	OTHER EXTRAPYRAMIDAL DISEASE AND ABNORMAL MOVEMENT DISORDERS	11	0.6
334	SPINOCEREBELLAR DISEASE	1	0.1
335	ANTERIOR HORN CELL DISEASE	27	1.5
337	DISORDERS OF THE AUTONOMIC NERVOUS SYSTEM	1	0.1
340-349	OTHER DISORDERS OF THE CENTRAL NERVOUS SYSTEM	60	3.3
340	MULTIPLE SCLEROSIS	16	0.9
341	OTHER DEMYELINATING DISEASES OF CENTRAL NERVOUS SYSTEM	1	0.1
343	INFANTILE CEREBRAL PALSY	6	0.3
344	OTHER PARALYTIC SYNDROMES	1	0.1
345	EPILEPSY	9	0.5
348	OTHER CONDITIONS OF BRAIN	23	1.3
349	OTHER AND UNSPECIFIED DISORDERS OF THE NERVOUS SYSTEM	4	0.2
350-359	DISORDERS OF THE PERIPHERAL NERVOUS SYSTEM	18	1.0
357	INFLAMMATORY AND TOXIC NEUROPATHY	1	0.1
358	MYONEURAL DISORDERS	5	0.3

CAUSES OF RESIDENT DEATHS: NUMBER AND RATE
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Table 35 (Cont'd)

ICDA 9 CODE NUMBER	CAUSE OF DEATH	NUMBER OF DEATHS	RATE
359	MUSCULAR DYSTROPHIES AND OTHER MYOPATHIES	12	0.7
360-379	DISORDERS OF THE EYE AND ADNEXA	1	0.1
369	BLINDNESS AND LOW VISION	1	0.1
380-389	DISEASES OF THE EAR AND MASTOID PROCESS	1	0.1
382	SUPPURATIVE AND UNSPECIFIED OTITIS MEDIA	1	0.1
390-459	DISEASES OF THE CIRCULATORY SYSTEM	8,738	487.2
390-448	MAJOR CARDIOVASCULAR DISEASE	8,712	485.8
390-398, 402,404-429	DISEASES OF THE HEART	7,036	392.3
390-392	ACUTE RHEUMATIC FEVER	1	0.1
391	RHEUMATIC FEVER WITH HEART INVOLVEMENT	1	0.1
393-398	CHRONIC RHEUMATIC HEART DISEASE	45	2.5
394	DISEASES OF MITRAL VALVE	15	0.8
395	DISEASES OF AORTIC VALVE	2	0.1
396	DISEASES OF MITRAL AND AORTIC VALVES	13	0.7
397	DISEASES OF OTHER ENDOCARDIAL STRUCTURES	2	0.1
398	OTHER RHEUMATIC HEART DISEASE	13	0.7
401-405	HYPERTENSIVE DISEASE	274	15.3
401	ESSENTIAL HYPERTENSION	51	2.8
402	HYPERTENSIVE HEART DISEASE	178	9.9
403	HYPERTENSIVE RENAL DISEASE	25	1.4
404	HYPERTENSIVE HEART AND RENAL DISEASE	20	1.1
410-414	ISCHEMIC HEART DISEASE	4,515	251.7
410	ACUTE MYOCARDIAL INFARCTION	2,388	133.1
411	OTHER ACUTE AND SUBACUTE FORM OF ISCHEMIC HEART DISEASE	11	0.6
412	OLD MYOCARDIAL INFARCTION	12	0.7
413	ANGINA PECTORIS	9	0.5
414	OTHER FORMS OF CHRONIC ISCHEMIC HEART DISEASE	2,095	116.8
415-417	DISEASES OF PULMONARY CIRCULATION	99	5.5
415	ACUTE PULMONARY HEART DISEASE	81	4.5
416	CHRONIC PULMONARY HEART DISEASE	18	1.0
420-429	OTHER FORMS OF HEART DISEASE	2,178	121.4
421	ACUTE AND SUBACUTE ENDOCARDITIS	6	0.3
422	ACUTE MYOCARDITIS	4	0.2
423	OTHER DISEASES OF PERICARDIUM	3	0.2
424	OTHER DISEASES OF ENDOCARDIUM	119	6.6
425	CARDIOMYOPATHY	151	8.4
426	CONDUCTION DISORDERS	13	0.7
427	CARDIAC DYSRHYTHMIAS	604	33.7
428	HEART FAILURE	485	27.0
429	ILL-DEFINED DESCRIPTIONS AND COMPLICATIONS OF HEART DISEASE	793	44.2
430-438	CEREBROVASCULAR DISEASE	1,204	67.1
430	SUBARACHNOID HEMORRHAGE	43	2.4
431	INTRACEREBRAL HEMORRHAGE	150	8.4
432	OTHER AND UNSPECIFIED INTRACRANIAL HEMORRHAGE	27	1.5
433	OCCLUSION AND STENOSIS OF PRECEREBRAL ARTERIES	9	0.5

CAUSES OF RESIDENT DEATHS: NUMBER AND RATE
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Table 35 (Cont'd)

ICDA 9 CODE NUMBER	CAUSE OF DEATH	NUMBER OF DEATHS	RATE
434	OCCLUSION OF CEREBRAL ARTERIES	154	8.6
435	TRANSCIENT CEREBRAL ISCHEMIA	3	0.2
436	ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE	722	40.3
437	OTHER AND ILL-DEFINED CEREBROVASCULAR DISEASE	69	3.8
438	LATE EFFECTS OF CEREBROVASCULAR DISEASE	27	1.5
440-448	DISEASES OF ARTERIES, ARTERIOLES, AND CAPILLARIES	396	22.1
440	ATHEROSCLEROSIS	164	9.1
441	AORTIC ANEURYSM	149	8.3
442	OTHER ANEURYSM	7	0.4
443	OTHER PERIPHERAL VASCULAR DISEASE	47	2.6
444	ARTERIAL EMBOLISM AND THROMBOSIS	15	0.8
446	POLYARTERITIS NODOSA AND ALLIED CONDITIONS	5	0.3
447	OTHER DISORDERS OF ARTERIES AND ARTERIOLES	9	0.5
451-459	DISEASES OF VEINS AND LYMPHATICS AND OTHER DISEASES OF CIRCULATORY SYSTEM	26	1.4
451	PHLEBITIS AND THROMBOPHLEBITIS	6	0.3
453	OTHER VENOUS EMBOLISM AND THROMBOSIS	1	0.1
454	VARICOSE VEINS OF LOWER EXTREMITIES	1	0.1
456	VARICOSE VEINS OF OTHER SITES	2	0.1
458	HYPOTENSION	5	0.3
459	OTHER DISORDERS OF CIRCULATORY SYSTEM	11	0.6
460-519	DISEASES OF THE RESPIRATORY SYSTEM	1,967	109.7
460-466	ACUTE RESPIRATORY INFECTIONS	9	0.5
465	ACUTE UPPER RESPIRATORY INFECTIONS OF MULTIPLE OR UNSPECIFIED SITES	2	0.1
466	ACUTE BRONCHITIS AND BRONCHIOLITIS	7	0.4
470-478	OTHER DISEASES OF UPPER RESPIRATORY TRACT	2	0.1
472	CHRONIC PHARYNGITIS AND NASOPHARYNGITIS	1	0.1
478	OTHER DISEASES OF UPPER RESPIRATORY TRACT	1	0.1
480-487	PNEUMONIA AND INFLUENZA	711	39.6
480	VIRAL PNEUMONIA	1	0.1
481	PNEUMOCOCCAL PNEUMONIA	14	0.8
482	OTHER BACTERIAL PNEUMONIA	30	1.7
483	PNEUMONIA DUE TO OTHER SPECIFIED ORGANISM	3	0.2
485	BRONCHOPNEUMONIA, ORGANISM UNSPECIFIED	30	1.7
486	PNEUMONIA, ORGANISM UNSPECIFIED	615	34.3
487	INFLUENZA	18	1.0
490-496	CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	924	51.5
490	BRONCHITIS, NOT SPECIFIED AS ACUTE OR CHRONIC	10	0.6
491	CHRONIC BRONCHITIS	44	2.5
492	EMPHYSEMA	146	8.1
493	ASTHMA	33	1.8
494	BRONCHIECTASIS	5	0.3
496	CHRONIC AIRWAYS OBSTRUCTION, NOT ELSEWHERE CLASSIFIED	686	38.2
500-508	PNEUMOCONIOSES AND OTHER LUNG DISEASES DUE TO EXTERNAL AGENTS	195	10.9
500	COAL WORKERS' PNEUMOCONIOSIS	106	5.9
501	ASBESTOSIS	5	0.3
502	PNEUMOCONIOSIS DUE TO OTHER SILICA OR SILICATES	1	0.1

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Table 35 (Cont'd)

ICDA 9 CODE NUMBER	CAUSE OF DEATH	NUMBER OF DEATHS	RATE
505	PNEUMOCONIOSIS, UNSPECIFIED	9	0.5
507	PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	73	4.1
508	RESPIRATORY CONDITIONS DUE TO OTHER AND UNSPECIFIED EXTERNAL AGENTS	1	0.1
510-519	OTHER DISEASES OF RESPIRATORY SYSTEM	126	7.0
510	EMPYEMA	1	0.1
511	PLEURISY	15	0.8
512	PNEUMOTHORAX	4	0.2
514	PULMONARY CONGESTION AND HYPOSTASIS	8	0.4
515	POSTINFLAMMATORY PULMONARY FIBROSIS	34	1.9
516	OTHER ALVEOLAR AND PARIETOALVEOLAR PNEUMOPATHY	2	0.1
518	OTHER DISEASES OF LUNG	56	3.1
519	OTHER DISEASES OF RESPIRATORY SYSTEM	6	0.3
520-579	DISEASES OF THE DIGESTIVE SYSTEM	608	33.9
530-537	DISEASES OF ESOPHAGUS, STOMACH, AND DUODENUM	71	4.0
530	DISEASES OF ESOPHAGUS	14	0.8
531	GASTRIC ULCER	19	1.1
532	DUODENAL ULCER	15	0.8
533	PEPTIC ULCER, SITE UNSPECIFIED	16	0.9
535	GASTRITIS AND DUODENITIS	3	0.2
537	OTHER DISORDERS OF STOMACH AND DUODENUM	4	0.2
540-543	APPENDICITIS	5	0.3
540	ACUTE APPENDICITIS	5	0.3
550-553	HERNIA OF ABDOMINAL CAVITY	8	0.4
552	OTHER HERNIA OF ABDOMINAL CAVITY WITH OBSTRUCTION, WITHOUT MENTION OF GANGRENE	5	0.3
553	OTHER HERNIA OF ABDOMINAL CAVITY WITHOUT MENTION OF OBSTRUCTION OR GANGRENE	3	0.2
555-558	NONINFECTIOUS ENTERITIS AND COLITIS	91	5.1
555	REGIONAL ENTERITIS	7	0.4
556	IDIOPATHIC PROCTOCOLITIS	2	0.1
557	VASCULAR INSUFFICIENCY OF INTESTINE	72	4.0
558	OTHER NONINFECTIVE GASTROENTERITIS AND COLITIS	10	0.6
560-569	OTHER DISEASES OF INTESTINES AND PERITONEUM	91	5.1
560	INTESTINAL OBSTRUCTION WITHOUT MENTION OF HERNIA	41	2.3
562	DIVERTICULA OF INTESTINE	18	1.0
564	FUNCTIONAL DIGESTIVE DISORDERS, NOT ELSEWHERE CLASSIFIED	1	0.1
567	PERITONITIS	9	0.5
569	OTHER DISORDERS OF INTESTINE	22	1.2
570-579	OTHER DISEASES OF DIGESTIVE SYSTEM	342	19.1
570	ACUTE AND SUBACUTE NECROSIS OF LIVER	3	0.2
571	CHRONIC LIVER DISEASE AND CIRRHOSIS	182	10.1
572	LIVER ABSCESS AND SEQUELAE OF CHRONIC LIVER DISEASE	42	2.3
573	OTHER DISORDERS OF LIVER	12	0.7
574	CHOLELITHIASIS	4	0.2
575	OTHER DISORDERS OF GALLBLADDER	11	0.6
576	OTHER DISORDERS OF BILIARY TRACT	6	0.3
577	DISEASES OF PANCREAS	19	1.1
578	GASTROINTESTINAL HEMORRHAGE	62	3.5

CAUSES OF RESIDENT DEATHS: NUMBER AND RATE
WEST VIRGINIA, 1990
Table 35 (Cont'd)

ICDA 9 CODE NUMBER	CAUSE OF DEATH	NUMBER OF DEATHS	RATE
579	INTESTINAL MALABSORPTION	1	0.1
580-589	NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	195	10.9
581	NEPHROTIC SYNDROME	2	0.1
582	CHRONIC GLOMERULONEPHRITIS	2	0.1
583	NEPHRITIS AND NEPHROPATHY, NOT SPECIFIED AS ACUTE OR CHRONIC	5	0.3
584	ACUTE RENAL FAILURE	33	1.8
585	CHRONIC RENAL FAILURE	48	2.7
586	RENAL FAILURE, UNSPECIFIED	103	5.7
587	RENAL SCLEROSIS, UNSPECIFIED	1	0.1
588	DISORDERS RESULTING FROM IMPAIRED RENAL FUNCTION	1	0.1
590-599	OTHER DISEASES OF URINARY SYSTEM	159	8.9
590	INFECTIONS OF KIDNEY	4	0.2
591	HYDRONEPHROSIS	1	0.1
592	CALCULUS OF KIDNEY AND URETER	1	0.1
593	OTHER DISORDERS OF KIDNEY AND URETER	33	1.8
594	CALCULUS OF LOWER URINARY TRACT	1	0.1
595	CYSTITIS	1	0.1
596	OTHER DISORDERS OF BLADDER	3	0.2
599	OTHER DISORDERS OF URETHRA AND URINARY TRACT	115	6.4
600-608	DISEASES OF MALE GENITAL ORGANS	8	0.4
600	HYPERPLASIA OF PROSTATE	4	0.2
601	INFLAMMATORY DISEASES OF PROSTATE	1	0.1
602	OTHER DISORDERS OF PROSTATE	3	0.2
614-616	INFLAMMATORY DISEASE OF FEMALE PELVIC ORGANS	2	0.1
614	INFLAMMATORY DISEASE OF OVARY, FALLOPIAN TUBE, PELVIC CELLULAR TISSUE, AND PERITONEUM	2	0.1
630-676*	COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM	2	8.9
640-648*	COMPLICATIONS MAINLY RELATED TO PREGNANCY	2	8.9
641*	ANTEPARTUM HEMORRHAGE, ABRUPTIO PLACENTAE, AND PLACENTA PRAVIA	1	4.4
642*	HYPERTENSION COMPLICATING PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM	1	4.4
680-709	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	20	1.1
680-686	INFECTIONS OF SKIN AND SUBCUTANEOUS TISSUE	4	0.2
682	OTHER CELLULITIS AND ABSCESS	4	0.2
690-698	OTHER INFLAMMATORY CONDITIONS OF SKIN AND SUBCUTANEOUS TISSUE	3	0.2
692	CONTACT DERMATITIS AND OTHER ECZEMA	1	0.1
694	BULLOUS DERMATOSES	1	0.1
695	ERYTHEMATOUS CONDITIONS	1	0.1
700-709	OTHER DISEASES OF SKIN AND SUBCUTANEOUS TISSUE	13	0.7
707	CHRONIC ULCER OF SKIN	13	0.7
710-719	ARTHROPATHIES AND RELATED DISORDERS	44	2.5
710	DIFFUSE DISEASES OF CONNECTIVE TISSUE	22	1.2
711	ARTHROPATHY ASSOCIATED WITH INFECTIONS	2	0.1
714	RHEUMATOID ARTHRITIS AND OTHER INFLAMMATORY POLYARTHROPATHIES	15	0.8
716	OTHER AND UNSPECIFIED ARTHROPATHIES	5	0.3
720-724	DORSOPATHIES	2	0.1
721	SPONDYLOSIS AND ALLIED DISORDERS	1	0.1

* MATERNAL DEATH RATES ARE PER 100,000 LIVE BIRTHS

CAUSES OF RESIDENT DEATHS: NUMBER AND RATE
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Table 35 (Cont'd)

ICDA 9 CODE NUMBER	CAUSE OF DEATH	NUMBER OF DEATHS	RATE
722	INTERVERTEBRAL DISC DISORDERS	1	0.1
730-739	OSTEOPATHIES, CHONDROPATHIES, AND ACQUIRED MUSCULOSKELETAL DEFORMITIES	13	0.7
730	OSTEOMYELITIS, PERIOSTITIS, AND OTHER INFECTIONS INVOLVING BONE	4	0.2
733	OTHER DISORDERS OF BONE AND CARTILAGE	3	0.2
737	CURVATURE OF SPINE	6	0.3
740-759	CONGENITAL ANOMALIES	104	5.8
740-759	CONGENITAL ANOMALIES	104	5.8
740	ANENCEPHALUS AND SIMILAR ANOMALIES	2	0.1
741	SPINA BIFIDA	2	0.1
742	OTHER CONGENITAL ANOMALIES OF NERVOUS SYSTEM	12	0.7
745	BULBUS CORDIS ANOMALIES AND ANOMALIES OF CARDIAC SEPTAL CLOSURE	13	0.7
746	OTHER CONGENITAL ANOMALIES OF HEART	26	1.4
747	OTHER CONGENITAL ANOMALIES OF CIRCULATORY SYSTEM	10	0.6
748	CONGENITAL ANOMALIES OF RESPIRATORY SYSTEM	11	0.6
750	OTHER CONGENITAL ANOMALIES OF UPPER ALIMENTARY TRACT	1	0.1
751	OTHER CONGENITAL ANOMALIES OF DIGESTIVE SYSTEM	1	0.1
753	CONGENITAL ANOMALIES OF URINARY SYSTEM	9	0.5
756	OTHER CONGENITAL MUSCULOSKELETAL ANOMALIES	1	0.1
757	CONGENITAL ANOMALIES OF THE INTEGUMENT	1	0.1
758	CHROMOSOMAL ANOMALIES	7	0.4
759	OTHER AND UNSPECIFIED CONGENITAL ANOMALIES	8	0.4
760-779	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	84	4.7
760-779	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	84	4.7
761	FETUS OR NEWBORN AFFECTED BY MATERNAL COMPLICATIONS OF PREGNANCY	5	0.3
762	FETUS OR NEWBORN AFFECTED BY COMPLICATIONS OF PLACENTA, CORD, AND MEMBRANES	6	0.3
765	DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTHWEIGHT	17	0.9
767	BIRTH TRAUMA	1	0.1
768	INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	5	0.3
769	RESPIRATORY DISTRESS SYNDROME	15	0.8
770	OTHER RESPIRATORY CONDITIONS OF FETUS AND NEWBORN	14	0.8
771	INFECTIONS SPECIFIC TO THE PERINATAL PERIOD	2	0.1
772	FETAL AND NEONATAL HEMORRHAGE	1	0.1
777	PERINATAL DISORDERS OF DIGESTIVE SYSTEM	6	0.3
778	CONDITIONS INVOLVING THE INTEGUMENT AND TEMPERATURE REGULATION OF FETUS AND NEWBORN	2	0.1
779	OTHER AND ILL-DEFINED CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	10	0.6
780-799	SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS	162	9.0
780-789	SYMPTOMS	30	1.7
780	GENERAL SYMPTOMS	8	0.4
783	SYMPTOMS CONCERNING NUTRITION, METABOLISM, AND DEVELOPMENT	2	0.1
785	SYMPTOMS INVOLVING CARDIOVASCULAR SYSTEM	15	0.8
786	SYMPTOMS INVOLVING RESPIRATORY SYSTEM AND OTHER CHEST SYMPTOMS	3	0.2
789	OTHER SYMPTOMS INVOLVING ABDOMEN AND PELVIS	2	0.1
797-799	ILL-DEFINED AND UNKNOWN CAUSES OF MORBIDITY AND MORTALITY	132	7.4
797	SENILITY WITHOUT MENTION OF PSYCHOSIS	18	1.0
798	SUDDEN DEATH, CAUSE UNKNOWN	41	2.3
799	OTHER ILL-DEFINED AND UNKNOWN CAUSES OF MORBIDITY AND MORTALITY	73	4.1

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Table 35 (Cont'd)

ICDA 9 CODE NUMBER	CAUSE OF DEATH	NUMBER OF DEATHS	RATE
E800-999*	EXTERNAL CAUSES OF INJURY AND POISONING	1,215	67.7
E800-949	ACCIDENTS, ALL FORMS	857	47.8
E800-807	RAILWAY ACCIDENTS	4	0.2
E805	HIT BY ROLLING STOCK	3	0.2
E807	RAILWAY ACCIDENT OF UNSPECIFIED NATURE	1	0.1
E810-825	MOTOR VEHICLE ACCIDENTS	475	26.5
E810-819	MOTOR VEHICLE TRAFFIC ACCIDENTS	463	25.8
E810	MOTOR VEHICLE TRAFFIC ACCIDENT INVOLVING COLLISION WITH TRAIN	3	0.2
E812	OTHER MOTOR VEHICLE TRAFFIC ACCIDENT INVOLVING COLLISION WITH ANOTHER MOTOR VEHICLE	139	7.8
E813	MOTOR VEHICLE TRAFFIC ACCIDENT INVOLVING COLLISION WITH OTHER VEHICLE	2	0.1
E814	MOTOR VEHICLE TRAFFIC ACCIDENT INVOLVING COLLISION WITH PEDESTRIAN	30	1.7
E815	OTHER MOTOR VEHICLE TRAFFIC ACCIDENT INVOLVING COLLISION ON THE HIGHWAY	35	2
E816	MOTOR VEHICLE TRAFFIC ACCIDENT DUE TO LOSS OF CONTROL, WITHOUT COLLISION ON THE HIGHWAY	64	3.6
E818	OTHER NONCOLLISION MOTOR VEHICLE TRAFFIC ACCIDENT	18	1
E819	MOTOR VEHICLE TRAFFIC ACCIDENT OF UNSPECIFIED NATURE	172	9.6
E820-825	MOTOR VEHICLE NONTRAFFIC ACCIDENTS	12	0.7
E821	NONTRAFFIC ACCIDENT INVOLVING OTHER OFF-ROAD MOTOR VEHICLE	5	0.3
E822	OTHER MOTOR VEHICLE NONTRAFFIC ACCIDENT INVOLVING COLLISION WITH MOVING OBJECT	1	0.1
E823	OTHER MOTOR VEHICLE NONTRAFFIC ACCIDENT INVOLVING COLLISION WITH STATIONARY OBJECT	2	0.1
E824	OTHER MOTOR VEHICLE NONTRAFFIC ACCIDENT WHILE BOARDING AND ALIGHTING	1	0.1
E825	OTHER MOTOR VEHICLE NONTRAFFIC ACCIDENT OF OTHER AND UNSPECIFIED NATURE	3	0.2
E826-829	OTHER ROAD VEHICLE ACCIDENTS	1	0.1
E826	PEDAL CYCLE ACCIDENT	1	0.1
E830-838	WATER TRANSPORT ACCIDENTS	2	0.1
E830	ACCIDENT TO WATERCRAFT CAUSING SUBMERSION	1	0.1
E832	OTHER ACCIDENTAL SUBMERSION OR DROWNING IN WATER TRANSPORT ACCIDENT	1	0.1
E840-845	AIR AND SPACE TRANSPORT ACCIDENTS	7	0.4
E841	ACCIDENT TO POWERED AIRCRAFT, OTHER AND UNSPECIFIED	7	0.4
E846-848	VEHICLE ACCIDENTS NOT ELSEWHERE CLASSIFIABLE	3	0.2
E846	ACCIDENTS INVOLVING POWERED VEHICLES USED SOLELY WITHIN THE BUILDINGS AND PREMISES OF AN INDUSTRIAL OR COMMERCIAL ESTABLISHMENT	3	0.2
E850-949	NONMOTOR VEHICLE ACCIDENTS	365	20.4
E850-858	ACCIDENTAL POISONING BY DRUGS, MEDICAMENTS, AND BIOLOGICALS	21	1.2
E850	ACCIDENTAL POISONING BY ANALGESICS, ANTIPYRETICS, ANTIRHEUMATICS	8	0.4
E855	ACCIDENTAL POISONING BY OTHER DRUGS ACTING ON CENTRAL AND AUTONOMIC NERVOUS SYSTEMS	1	0.1
E858	ACCIDENTAL POISONING BY OTHER DRUGS	12	0.7
E860-869	ACCIDENTAL POISONING BY OTHER SOLID AND LIQUID SUBSTANCES, GASES, AND VAPORS	13	0.7
E860	ACCIDENTAL POISONING BY ALCOHOL, NOT ELSEWHERE CLASSIFIED	2	0.1
E862	ACCIDENTAL POISONING BY PETROLEUM PRODUCTS, OTHER SOLVENTS AND THEIR VAPORS, NOT ELSEWHERE CLASSIFIED	1	0.1
E868	ACCIDENTAL POISONING BY OTHER UTILITY GAS AND OTHER CARBON MONOXIDE	8	0.4
E869	ACCIDENTAL POISONING BY OTHER GASES AND VAPORS	2	0.1
E870-876	MISADVENTURES TO PATIENTS DURING SURGICAL AND MEDICAL CARE	3	0.2
E870	ACCIDENTAL CUT, PUNCTURE, PERFORATION OR HEMORRHAGE DURING MEDICAL CARE	1	0.1
E876	OTHER AND UNSPECIFIED MISADVENTURES DURING MEDICAL CARE	2	0.1

* CAUSES 800 THROUGH 999 HAVE BEEN CODED USING E (EXTERNAL) ICDA 9 CODES

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Table 35 (Cont'd)

ICDA 9 CODE NUMBER	CAUSE OF DEATH	NUMBER OF DEATHS	RATE
E878-879	SURGICAL AND MEDICAL PROCEDURES AS THE CAUSE OF ABNORMAL REACTION OF PATIENT OR LATER COMPLICATION, WITHOUT MENTION OF MISADVENTURE AT THE TIME OF PROCEDURE	24	1.3
E878	SURGICAL OPERATION AND OTHER SURGICAL PROCEDURES AS THE CAUSE OF ABNORMAL REACTION OF PATIENT, OR OF LATER COMPLICATION, WITHOUT MENTION OF MISADVENTURE AT THE TIME OF OPERATION	14	0.8
E879	OTHER PROCEDURES, WITHOUT MENTION OF MISADVENTURE AT THE TIME OF PROCEDURE, AS THE CAUSE OF ABNORMAL REACTION OF PATIENT, OR OF LATER COMPLICATION	10	0.6
E880-888	ACCIDENTAL FALLS	109	6.1
E880	FALL ON OR FROM STAIRS OR STEPS	10	0.6
E881	FALL ON OR FROM LADDERS OR SCAFFOLDING	2	0.1
E882	FALL FROM OR OUT OF BUILDING OR OTHER STRUCTURE	6	0.3
E884	OTHER FALL FROM ONE LEVEL TO ANOTHER	12	0.7
E885	FALL ON SAME LEVEL FROM SLIPPING, TRIPPING, OR STUMBLING	6	0.3
E887	FRACTURE, CAUSE UNSPECIFIED	11	0.6
E888	OTHER AND UNSPECIFIED FALL	62	3.5
E890-899	ACCIDENTS CAUSED BY FIRE AND FLAMES	41	2.3
E890	CONFLAGRATION IN PRIVATE DWELLING	36	2.0
E892	CONFLAGRATION NOT IN BUILDING OR STRUCTURE	1	0.1
E893	ACCIDENT CAUSED BY IGNITION OF CLOTHING	1	0.1
E895	ACCIDENT CAUSED BY CONTROLLED FIRE IN PRIVATE DWELLING	3	0.2
E900-909	ACCIDENTS DUE TO NATURAL AND ENVIRONMENTAL FACTORS	5	0.3
E901	EXCESSIVE COLD	4	0.2
E906	OTHER INJURY CAUSED BY ANIMALS	1	0.1
E910-915	ACCIDENTS CAUSED BY SUBMERSION, SUFFOCATION, AND FOREIGN BODIES	74	4.1
E910	ACCIDENTAL DROWNING AND SUBMERSION	39	2.2
E911	INHALATION AND INGESTION OF FOOD CAUSING OBSTRUCTION OF RESPIRATORY TRACT OR SUFFOCATION	19	1.1
E912	INHALATION AND INGESTION OF OTHER OBJECT CAUSING OBSTRUCTION OF RESPIRATORY TRACT OR SUFFOCATION	10	0.6
E913	ACCIDENTAL MECHANICAL SUFFOCATION	6	0.3
E916-928	OTHER ACCIDENTS	67	3.7
E916	STRUCK ACCIDENTALLY BY FALLING OBJECT	17	0.9
E919	ACCIDENTS CAUSED BY MACHINERY	17	0.9
E920	ACCIDENTS CAUSED BY CUTTING AND PIERCING INSTRUMENTS OR OBJECTS	1	0.1
E922	ACCIDENT CAUSED BY FIREARM MISSILE	10	0.6
E923	ACCIDENT CAUSED BY EXPLOSIVE MATERIAL	5	0.3
E924	ACCIDENT CAUSED BY HOT SUBSTANCE OR OBJECT, CAUSTIC OR CORROSIVE MATERIAL AND STEAM	1	0.1
E925	ACCIDENT CAUSED BY ELECTRIC CURRENT	7	0.4
E928	OTHER AND UNSPECIFIED ENVIRONMENTAL AND ACCIDENTAL CAUSES	9	0.5
E929	LATE EFFECTS OF ACCIDENTAL INJURY	4	0.2
E929	LATE EFFECTS OF ACCIDENTAL INJURY	4	0.2
E930-949	DRUGS, MEDICAMENTS, AND BIOLOGICAL SUBSTANCES CAUSING ADVERSE EFFECTS IN THERAPEUTIC USE	4	0.2
E932	HORMONES AND SYNTHETIC SUBSTITUTES	2	0.1
E934	AGENTS PRIMARILY AFFECTING BLOOD CONSTITUENTS	2	0.1
E950-959	SUICIDE AND SELF-INFLICTED INJURY	220	12.3
E950	SUICIDE AND SELF-INFLICTED POISONING BY SOLID OR LIQUID SUBSTANCES	18	1.0
E952	SUICIDE AND SELF-INFLICTED POISONING BY OTHER GASES AND VAPORS	12	0.7
E953	SUICIDE AND SELF-INFLICTED INJURY BY HANGING, STRANGULATION, AND SUFFOCATION	20	1.1

CAUSES OF RESIDENT DEATHS: NUMBER AND RATE
WEST VIRGINIA, 1990
Table 35 (Cont'd)

ICDA 9 CODE NUMBER	CAUSE OF DEATH	NUMBER OF DEATHS	RATE
E954	SUICIDE AND SELF-INFLICTED INJURY BY SUBMERSION (DROWNING)	1	0.1
E955	SUICIDE AND SELF-INFLICTED INJURY BY FIREARMS AND EXPLOSIVES	165	9.2
E956	SUICIDE AND SELF-INFLICTED INJURY BY CUTTING AND PIERCING INSTRUMENTS	3	0.2
E958	SUICIDE AND SELF-INFLICTED INJURY BY OTHER AND UNSPECIFIED MEANS	1	0.1
E960-969	HOMICIDE AND INJURY PURPOSELY INFLICTED BY OTHER PERSONS	114	6.4
E960	FIGHT, BRAWL, RAPE	1	0.1
E962	ASSAULT BY POISONING	1	0.1
E963	ASSAULT BY HANGING AND STRANGULATION	3	0.2
E965	ASSAULT BY FIREARMS AND EXPLOSIVES	76	4.2
E966	ASSAULT BY CUTTING AND PIERCING INSTRUMENTS	20	1.1
E968	ASSAULT BY OTHER AND UNSPECIFIED MEANS	13	0.7
E970-978	LEGAL INTERVENTION	3	0.2
E970	INJURY DUE TO LEGAL INTERVENTION BY FIREARMS	3	0.2
E980-989	INJURY UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	21	1.2
E980	POISONING BY SOLID OR LIQUID SUBSTANCES, UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	6	0.3
E982	POISONING BY OTHER GASES, UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	1	0.1
E983	HANGING, STRANGULATION, OR SUFFOCATION, UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	2	0.1
E984	SUBMERSION (DROWNING), UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	5	0.3
E985	INJURY BY FIREARMS AND EXPLOSIVES, UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	4	0.2
E988	INJURY BY OTHER AND UNSPECIFIED MEANS, UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	3	0.2

SELECTED CAUSES OF RESIDENT DEATHS: NUMBER AND RATE BY DISTRICT*
WEST VIRGINIA, 1990
Table 36

SELECTED CAUSES OF DEATH	NUMBER AND RATE BY DISTRICT									
	DISTRICT 1		DISTRICT 2		DISTRICT 3		DISTRICT 4		DISTRICT 5	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
FETAL DEATHS	31	11.0	26	7.9	27	7.5	13	7.4	6	2.8
TOTAL DEATHS, ALL CAUSES	**2,685**	11.5	**2,861**	10.9	**2,930**	10.2	1,761	12.4	**1,778**	10.5
DEATHS UNDER 1 YEAR	33	11.7	37	11.2	28	7.7	14	7.9	17	7.9
DEATHS UNDER 28 DAYS	22	7.8	26	7.9	18	5.0	7	4.0	9	4.2
INTESTINAL INFECTIOUS DISEASES	0	0.0	0	0.0	0	0.0	0	0.0	1	0.6
TUBERCULOSIS	2	0.9	3	1.1	3	1.0	0	0.0	0	0.0
SEPTICEMIA	25	10.7	8	3.1	30	10.5	11	7.7	9	5.3
MALIGNANT NEOPLASMS	590	253.6	689	263.2	719	251.1	380	267.3	393	233.1
--OF DIGESTIVE ORGANS AND PERITONEUM	127	54.6	131	50.0	157	54.8	80	56.3	84	49.8
--OF RESPIRATORY SYSTEM AND INTRATHORACIC ORGANS	181	77.8	256	97.8	250	87.3	137	96.4	138	81.8
--OF GENITOURINARY ORGANS	85	36.5	95	36.3	99	34.6	59	41.5	55	32.6
BENIGN NEOPLASMS, CARCINOMA IN SITU, AND NEOPLASM OF UNSPECIFIED NATURE	12	5.2	11	4.2	12	4.2	7	4.9	5	3.0
DIABETES MELLITUS	63	27.1	63	24.1	84	29.3	53	37.3	35	20.8
NUTRITIONAL DEFICIENCIES	0	0.0	4	1.5	8	2.8	3	2.1	2	1.2
ANEMIAS	6	2.6	4	1.5	5	1.7	4	2.8	5	3.0
MAJOR CARDIOVASCULAR DISEASES	1,137	488.8	1,279	488.6	1,239	432.8	800	562.8	858	508.8
DISEASES OF THE HEART	936	402.4	1,043	398.4	1,002	350.0	639	449.5	680	403.3
HYPERTENSION	7	3.0	13	5.0	13	4.5	8	5.6	6	3.6
CEREBROVASCULAR DISEASES	152	65.3	183	69.9	163	56.9	116	81.6	120	71.2
ARTERIOSCLEROSIS	12	5.2	11	4.2	24	8.4	12	8.4	28	16.6
OTHER DISEASES OF ARTERIES, ARTERIOLES, AND CAPILLARIES	30	12.9	29	11.1	37	12.9	25	17.6	24	14.2
PNEUMONIA AND INFLUENZA	111	47.7	87	33.2	122	42.6	71	49.9	67	39.7
PNEUMONIA	111	47.7	86	32.9	119	41.6	67	47.1	64	38.0
INFLUENZA	0	0.0	1	0.4	3	1.0	4	2.8	3	1.8
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	161	69.2	142	54.2	128	44.7	87	61.2	71	42.1
BRONCHITIS, EMPHYSEMA, AND ASTHMA	35	15.0	45	17.2	31	10.8	23	16.2	17	10.1
PNEUMOCONIOSIS AND OTHER LUNG DISEASES DUE TO EXTERNAL AGENT	64	27.5	24	9.2	23	8.0	28	19.7	7	4.2
COAL WORKER'S PNEUMOCONIOSIS	51	21.9	13	5.0	11	3.8	18	12.7	0	0.0
ULCER OF STOMACH AND DUODENUM	9	3.9	10	3.8	9	3.1	2	1.4	3	1.8
HERNIA AND INTESTINAL OBSTRUCTION	4	1.7	9	3.4	5	1.7	5	3.5	4	2.4
CHRONIC LIVER DISEASE AND CIRRHOSIS	35	15.0	27	10.3	39	13.6	16	11.3	11	6.5
CHOLELITHIASIS AND OTHER DISORDERS OF THE GALLBLADDER	3	1.3	2	0.8	1	0.3	1	0.7	3	1.8
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	30	12.9	23	8.8	30	10.5	20	14.1	17	10.1
INFECTIONS OF KIDNEY	0	0.0	1	0.4	0	0.0	1	0.7	0	0.0
CONGENITAL ANOMALIES	10	4.3	25	9.5	13	4.5	6	4.2	9	5.3
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	18	7.7	12	4.6	9	3.1	2	1.4	4	2.4
BIRTH TRAUMA OR ASPHYXIA, INTRAUTERINE HYPOXIA, AND RESPIRATORY DISTRESS SYNDROME	6	2.6	2	0.8	3	1.0	1	0.7	0	0.0
DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTHWEIGHT	2	0.9	2	0.8	2	0.7	1	0.7	0	0.0
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS	21	9.0	22	8.4	26	9.1	21	14.8	20	11.9
ACCIDENTS, ALL FORMS	130	55.9	132	50.4	135	47.2	76	53.5	87	51.6
MOTOR VEHICLE ACCIDENTS	61	26.2	70	26.7	77	26.9	47	33.1	49	29.1
HOME ACCIDENTS	34	14.6	26	9.9	29	10.1	12	8.4	14	8.3
WORK ACCIDENTS	8	3.4	8	3.1	6	2.1	6	4.2	6	3.6
SUICIDE	31	13.3	34	13.0	36	12.6	21	14.8	16	9.5
HOMICIDE	25	10.7	22	8.4	19	6.6	11	7.7	4	2.4
ALL OTHER CAUSES (RESIDUAL)	**198**	**85.1**	**228**	**87.1**	**235**	**82.1**	**135**	**95.0**	**147**	**87.2**

*Public Health Management Districts

SELECTED CAUSES OF RESIDENT DEATHS: NUMBER AND RATE BY DISTRICT*
WEST VIRGINIA, 1990
Table 36 (Cont'd)

SELECTED CAUSES OF DEATH	NUMBER AND RATE BY DISTRICT							
	DISTRICT 6		DISTRICT 7		DISTRICT 8		TOTAL	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
FETAL DEATHS	13	6.3	34	7.8	18	7.1	168	7.4
TOTAL DEATHS, ALL CAUSES	**1,920**	**11.3**	**3,738**	10.6	**1,687**	**9.4**	**19,360**	**10.8**
DEATHS UNDER 1 YEAR	13	6.3	55	12.7	25	9.8	222	9.8
DEATHS UNDER 28 DAYS	9	4.4	35	8.1	16	6.3	142	6.3
INTESTINAL INFECTIOUS DISEASES	0	0.0	0	0.0	0	0.0	1	0.1
TUBERCULOSIS	1	0.6	2	0.6	1	0.6	12	0.7
SEPTICEMIA	17	10.0	38	10.8	13	7.2	151	8.4
MALIGNANT NEOPLASMS	449	264.6	827	234.7	386	214.5	4,433	247.2
--OF DIGESTIVE ORGANS AND PERITONEUM	118	69.5	191	54.2	83	46.1	971	54.1
--OF RESPIRATORY SYSTEM AND INTRATHORACIC ORGANS	127	74.9	254	72.1	132	73.3	1,475	82.2
--OF GENITOURINARY ORGANS	62	36.5	108	30.7	57	31.7	620	34.6
BENIGN NEOPLASMS, CARCINOMA IN SITU, AND NEOPLASM OF UNSPECIFIED NATURE	6	3.5	18	5.1	4	2.2	75	4.2
DIABETES MELLITUS	55	32.4	92	26.1	41	22.8	486	27.1
NUTRITIONAL DEFICIENCIES	4	2.4	4	1.1	0	0.0	25	1.4
ANEMIAS	7	4.1	10	2.8	1	0.6	42	2.3
MAJOR CARDIOVASCULAR DISEASES	912	537.5	1,713	486.2	774	430.1	8,712	485.8
DISEASES OF THE HEART	731	430.8	1,375	390.3	630	350.1	7,036	392.3
HYPERTENSION	4	2.4	21	6.0	4	2.2	76	4.2
CEREBROVASCULAR DISEASES	135	79.6	228	64.7	107	59.5	1,204	67.1
ARTERIOSCLEROSIS	17	10.0	47	13.3	13	7.2	164	9.1
OTHER DISEASES OF ARTERIES, ARTERIOLES, AND CAPILLARIES	25	14.7	42	11.9	20	11.1	232	12.9
PNEUMONIA AND INFLUENZA	77	45.4	117	33.2	59	32.8	711	39.6
PNEUMONIA	75	44.2	113	32.1	58	32.2	693	38.6
INFLUENZA	2	1.2	4	1.1	1	0.6	18	1.0
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	92	54.2	184	52.2	59	32.8	924	51.5
BRONCHITIS, EMPHYSEMA, AND ASTHMA	25	14.7	42	11.9	15	8.3	233	13.0
PNEUMOCONIOSIS AND OTHER LUNG DISEASES DUE TO EXTERNAL AGENT	3	1.8	36	10.2	10	5.6	195	10.9
COAL WORKER'S PNEUMOCONIOSIS	1	0.6	12	3.4	0	0.0	106	5.9
ULCER OF STOMACH AND DUODENUM	2	1.2	10	2.8	5	2.8	50	2.8
HERNIA AND INTESTINAL OBSTRUCTION	7	4.1	14	4.0	1	0.6	49	2.7
CHRONIC LIVER DISEASE AND CIRRHOSIS	18	10.6	22	6.2	14	7.8	182	10.1
CHOLELITHIASIS AND OTHER DISORDERS OF THE GALLBLADDER	2	1.2	2	0.6	1	0.6	15	0.8
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	17	10.0	49	13.9	9	5.0	195	10.9
INFECTIONS OF KIDNEY	0	0.0	2	0.6	0	0.0	4	0.2
CONGENITAL ANOMALIES	5	2.9	27	7.7	9	5.0	104	5.8
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	5	2.9	24	6.8	10	5.6	84	4.7
BIRTH TRAUMA OR ASPHYXIA, INTRAUTERINE HYPOXIA, AND RESPIRATORY DISTRESS SYNDROME	1	0.6	6	1.7	2	1.1	21	1.2
DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTHWEIGHT	1	0.6	9	2.6	0	0.0	17	0.9
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS	9	5.3	22	6.2	21	11.7	162	9.0
ACCIDENTS, ALL FORMS	59	34.8	145	41.2	93	51.7	857	47.8
MOTOR VEHICLE ACCIDENTS	32	18.9	73	20.7	66	36.7	475	26.5
HOME ACCIDENTS	13	7.7	29	8.2	7	3.9	164	9.1
WORK ACCIDENTS	0	0.0	12	3.4	4	2.2	50	2.8
SUICIDE	22	13.0	40	11.4	20	11.1	220	12.3
HOMICIDE	5	2.9	17	4.8	11	6.1	114	6.4
ALL OTHER CAUSES (RESIDUAL)	**146**	**86.0**	**323**	91.7	**145**	**80.6**	1,557	86.8

*Public Health Management Districts

SELECTED CAUSES OF RESIDENT DEATHS: NUMBER AND RATE BY COUNTY
WEST VIRGINIA, 1990
Table 37

SELECTED CAUSES OF DEATH	NUMBER AND RATE BY COUNTY													
	BARBOUR		BERKELEY		BOONE		BRAXTON		BROOKE		CABELL		CALHOUN	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
FETAL DEATHS	1	5.3	4	4.3	4	11.1	1	5.2	1	3.2	9	7.6	1	10.5
TOTAL DEATHS, ALL CAUSES	159	10.1	519	8.8	254	9.8	150	11.5	282	10.5	1,185	12.2	85	10.8
DEATHS UNDER 1 YEAR	2	10.5	7	7.6	0	0.0	3	15.7	2	6.5	11	9.2	0	0.0
DEATHS UNDER 28 DAYS	1	5.3	5	5.4	0	0.0	1	5.2	2	6.5	6	5.0	0	0.0
INTESTINAL INFECTIOUS DISEASES	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TUBERCULOSIS	0	0.0	0	0.0	0	0.0	0	0.0	1	3.7	1	1.0	0	0.0
SEPTICEMIA	2	12.7	4	6.8	5	19.3	1	7.7	6	22.3	3	3.1	1	12.7
MALIGNANT NEOPLASMS	28	178.4	116	195.8	48	185.5	28	215.4	54	200.4	301	310.9	20	253.6
--OF DIGESTIVE ORGANS AND PERITONEUM	9	57.3	28	47.3	8	30.9	8	61.5	14	51.9	65	67.1	5	63.4
--OF RESPIRATORY SYSTEM AND INTRATHORACIC ORGANS	10	63.7	41	69.2	21	81.2	10	76.9	15	55.7	97	100.2	7	88.8
--OF GENITOURINARY ORGANS	2	12.7	15	25.3	6	23.2	2	15.4	9	33.4	42	43.4	5	63.4
BENIGN NEOPLASMS, CARCINOMA IN SITU, AND NEOPLASM OF UNSPECIFIED NATURE	0	0.0	0	0.0	1	3.9	0	0.0	1	3.7	4	4.1	1	12.7
DIABETES MELLITUS	4	25.5	14	23.6	5	19.3	4	30.8	9	33.4	25	25.8	1	12.7
NUTRITIONAL DEFICIENCIES	1	6.4	0	0.0	0	0.0	0	0.0	0	0.0	2	2.1	0	0.0
ANEMIAS	1	6.4	0	0.0	0	0.0	0	0.0	1	3.7	2	2.1	0	0.0
MAJOR CARDIOVASCULAR DISEASES	78	496.8	243	410.1	109	421.3	81	623.2	141	523.2	548	566.0	41	520.0
DISEASES OF THE HEART	62	394.9	192	324.0	90	347.9	61	469.3	118	437.8	432	446.2	37	469.2
HYPERTENSION	3	19.1	2	3.4	1	3.9	1	7.7	0	0.0	7	7.2	0	0.0
CEREBROVASCULAR DISEASES	9	57.3	41	69.2	11	42.5	15	115.4	15	55.7	93	96.0	4	50.7
ARTERIOSCLEROSIS	2	12.7	3	5.1	1	3.9	1	7.7	3	11.1	4	4.1	0	0.0
OTHER DISEASES OF ARTERIES, ARTERIOLES, AND CAPILLARIES	2	12.7	5	8.4	6	23.2	3	23.1	5	18.6	12	12.4	0	0.0
PNEUMONIA AND INFLUENZA	5	31.8	20	33.8	14	54.1	5	38.5	14	51.9	40	41.3	2	25.4
PNEUMONIA	5	31.8	20	33.8	14	54.1	5	38.5	14	51.9	40	41.3	2	25.4
INFLUENZA	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	11	70.1	20	33.8	20	77.3	6	46.2	17	63.1	55	56.8	6	76.1
BRONCHITIS, EMPHYSEMA, AND ASTHMA	3	19.1	6	10.1	6	23.2	3	23.1	2	7.4	20	20.7	1	12.7
PNEUMOCONIOSIS AND OTHER LUNG DISEASES DUE TO EXTERNAL AGENT	1	6.4	4	6.8	7	27.1	0	0.0	1	3.7	8	8.3	0	0.0
COAL WORKER'S PNEUMOCONIOSIS	1	6.4	0	0.0	6	23.2	0	0.0	1	3.7	1	1.0	0	0.0
ULCER OF STOMACH AND DUODENUM	0	0.0	2	3.4	2	7.7	0	0.0	0	0.0	3	3.1	0	0.0
HERNIA AND INTESTINAL OBSTRUCTION	1	6.4	1	1.7	0	0.0	0	0.0	2	7.4	5	5.2	0	0.0
CHRONIC LIVER DISEASE AND CIRRHOSIS	2	12.7	6	10.1	4	15.5	1	7.7	6	22.3	14	14.5	0	0.0
CHOLELITHIASIS AND OTHER DISORDERS OF THE GALLBLADDER	1	6.4	0	0.0	0	0.0	0	0.0	0	0.0	1	1.0	0	0.0
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	1	6.4	3	5.1	1	3.9	1	7.7	1	3.7	7	7.2	1	12.7
INFECTIONS OF KIDNEY	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
CONGENITAL ANOMALIES	1	6.4	2	3.4	1	3.9	1	7.7	1	3.7	7	7.2	1	12.7
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	1	6.4	4	6.8	0	0.0	0	0.0	1	3.7	1	1.0	0	0.0
BIRTH TRAUMA OR ASPHYXIA, INTRAUTERINE HYPOXIA, AND RESPIRATORY DISTRESS SYNDROME	0	0.0	1	1.7	0	0.0	0	0.0	1	3.7	1	1.0	0	0.0
DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTHWEIGHT	1	6.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS	1	6.4	9	15.2	0	0.0	2	15.4	0	0.0	11	11.4	1	12.7
ACCIDENTS, ALL FORMS	5	31.8	27	45.6	14	54.1	12	92.3	4	14.8	40	41.3	4	50.7
MOTOR VEHICLE ACCIDENTS	5	31.8	20	33.8	7	27.1	8	61.5	3	11.1	15	15.5	3	38.0
HOME ACCIDENTS	0	0.0	0	0.0	4	15.5	2	15.4	1	3.7	12	12.4	1	12.7
WORK ACCIDENTS	0	0.0	0	0.0	2	7.7	1	7.7	0	0.0	2	2.1	0	0.0
SUICIDE	4	25.5	5	8.4	2	7.7	2	15.4	6	22.3	8	8.3	1	12.7
HOMICIDE	2	12.7	6	10.1	1	3.9	1	7.7	1	3.7	7	7.2	0	0.0
ALL OTHER CAUSES (REISDUAL)	9	57.3	33	55.7	20	77.3	5	38.5	15	55.7	92	95.0	5	63.4

SELECTED CAUSES OF RESIDENT DEATHS: NUMBER AND RATE BY COUNTY
WEST VIRGINIA, 1990
Table 37 (Cont'd)

SELECTED CAUSES OF DEATH	NUMBER AND RATE BY COUNTY													
	CLAY		DODDRIDGE		FAYETTE		GILMER		GRANT		GREENBRIER		HAMPSHIRE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
FETAL DEATHS	2	13.9	0	0.0	4	7.0	1	13.0	3	23.4	1	2.5	0	0.0
TOTAL DEATHS, ALL CAUSES	102	10.2	62	8.9	635	13.2	92	12.0	119	11.4	465	13.4	153	9.3
DEATHS UNDER 1 YEAR	0	0.0	0	0.0	5	8.8	0	0.0	1	7.8	0	0.0	3	12.7
DEATHS UNDER 28 DAYS	0	0.0	0	0.0	3	5.3	0	0.0	0	0.0	0	0.0	2	8.4
INTESTINAL INFECTIOUS DISEASES	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TUBERCULOSIS	0	0.0	0	0.0	0	0.0	0	0.0	1	9.6	0	0.0	0	0.0
SEPTICEMIA	2	20.0	1	14.3	4	8.3	1	13.0	1	9.6	2	5.8	1	6.1
MALIGNANT NEOPLASMS	27	270.5	15	214.5	138	287.8	16	208.6	26	249.3	107	308.4	30	181.8
--OF DIGESTIVE ORGANS AND PERITONEUM	5	50.1	1	14.3	32	66.7	6	78.2	7	67.1	21	60 5	7	42.4
--OF RESPIRATORY SYSTEM AND INTRATHORACIC ORGANS	8	80.1	3	42.9	50	104.3	1	13.0	6	57.5	44	126.8	9	54.6
--OF GENITOURINARY ORGANS	5	50.1	0	0.0	19	39.6	1	13.0	4	38.4	11	31.7	4	24.2
BENIGN NEOPLASMS, CARCINOMA IN SITU, AND NEOPLASM OF UNSPECIFIED NATURE	2	20.0	0	0.0	4	8.3	0	0.0	0	0.0	2	5.8	0	0.0
DIABETES MELLITUS	6	60.1	0	0.0	21	43.8	2	26.1	1	9.6	13	37.5	3	18.2
NUTRITIONAL DEFICIENCIES	0	0.0	1	14.3	2	4.2	0	0.0	0	0.0	1	2.9	0	0.0
ANEMIAS	2	20.0	0	0.0	1	2.1	0	0.0	0	0.0	1	2.9	0	0.0
MAJOR CARDIOVASCULAR DISEASES	37	370.6	29	414.6	283	590.2	41	534.6	64	613.7	203	585.1	60	363.7
DISEASES OF THE HEART	29	290.5	22	314.6	247	515.1	32	417.3	54	517.8	149	429.5	51	309.1
HYPERTENSION	0	0.0	1	14.3	3	6.3	0	0.0	0	0.0	1	2.9	1	6.1
CEREBROVASCULAR DISEASES	5	50.1	6	85.8	27	56.3	7	91.3	6	57.5	33	95.1	6	36.4
ARTERIOSCLEROSIS	0	0.0	0	0.0	4	8.3	0	0.0	2	19.2	7	20.2	0	0.0
OTHER DISEASES OF ARTERIES, ARTERIOLES, AND CAPILLARIES	3	30.1	0	0.0	2	4.2	2	26.1	2	19.2	13	37.5	2	12.1
PNEUMONIA AND INFLUENZA	3	30.1	1	14.3	25	52.1	5	65.2	2	19.2	16	46.1	8	48.5
PNEUMONIA	3	30.1	1	14.3	23	48.0	5	65.2	2	19.2	14	40.4	8	48.5
INFLUENZA	0	0.0	0	0.0	2	4.2	0	0.0	0	0.0	[illegible]	5.8	0	0.0
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	5	50.1	2	28.6	35	73.0	7	91.3	2	19.2	20	57.6	9	54.6
BRONCHITIS, EMPHYSEMA, AND ASTHMA	1	10.0	0	0.0	8	16.7	1	13.0	0	0.0	3	8.6	5	30.3
PNEUMOCONIOSIS AND OTHER LUNG DISEASES DUE TO EXTERNAL AGENT	0	0.0	0	0.0	11	22.9	2	26.1	1	9.6	8	23.1	1	6.1
COAL WORKER'S PNEUMOCONIOSIS	0	0.0	0	0.0	7	14.6	0	0.0	0	0.0	3	8.6	0	0.0
ULCER OF STOMACH AND DUODENUM	0	0.0	0	0.0	1	2.1	0	0.0	0	0.0	0	0.0	0	0.0
HERNIA AND INTESTINAL OBSTRUCTION	0	0.0	0	0.0	4	8.3	0	0.0	0	0.0	0	0.0	0	0.0
CHRONIC LIVER DISEASE AND CIRRHOSIS	0	0.0	0	0.0	6	12.5	0	0.0	2	19.2	5	14.4	2	12.1
CHOLELITHIASIS AND OTHER DISORDERS OF THE GALLBLADDER	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	2.9	0	0.0
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	0	0.0	0	0.0	7	14.6	0	0.0	0	0.0	4	11.5	0	0.0
INFECTIONS OF KIDNEY	0	0.0	0	0.0	0	0.0	1	13.0	0	0.0	0	0.0	0	0.0
CONGENITAL ANOMALIES	0	0.0	1	14.3	2	4.2	1	13.0	0	0.0	1	2.9	2	12.1
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	0	0.0	0	0.0	2	4.2	0	0.0	0	0.0	0	0.0	0	0.0
BIRTH TRAUMA OR ASPHYXIA, INTRAUTERINE HYPOXIA, AND RESPIRATORY DISTRESS SYNDROME	0	0.0	0	0.0	1	2.1	0	0.0	0	0.0	0	0.0	0	0.0
DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTHWEIGHT	0	0.0	0	0.0	1	2.1	0	0.0	0	0.0	0	0.0	0	0.0
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS	3	30.1	1	14.3	4	8.3	1	13.0	1	9.6	12	34.6	4	24.2
ACCIDENTS, ALL FORMS	11	110.2	3	42.9	20	41.7	8	104.3	10	95.9	13	37.5	13	78.8
MOTOR VEHICLE ACCIDENTS	7	70.1	0	0.0	10	20.9	2	26.1	10	95.9	8	23.1	7	42.4
HOME ACCIDENTS	2	20.0	1	14.3	4	8.3	4	52.2	0	0.0	4	11.5	4	24.2
WORK ACCIDENTS	0	0.0	0	0.0	2	4.2	1	13.0	1	9.6	0	0.0	0	0.0
SUICIDE	0	0.0	1	14.3	8	16.7	0	0.0	0	0.0	7	20.2	3	18.2
HOMICIDE	1	10.0	0	0.0	7	14.6	0	0.0	0	0.0	1	2.9	2	12.1
ALL OTHER CAUSES (REISDUAL)	3	30.1	7	100.1	50	104.3	7	91.3	8	76.7	48	138.4	15	90.9

SELECTED CAUSES OF RESIDENT DEATHS: NUMBER AND RATE BY COUNTY
WEST VIRGINIA, 1990
Table 37 (Cont'd)

SELECTED CAUSES OF DEATH	NUMBER AND RATE BY COUNTY													
	HANCOCK		HARDY		HARRISON		JACKSON		JEFFERSON		KANAWHA		LEWIS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
FETAL DEATHS	2	5.1	1	6.7	5	5.6	0	0.0	4	7.3	20	7.8	1	5.3
TOTAL DEATHS, ALL CAUSES	**388**	**11.0**	**130**	**11.8**	**862**	**12.4**	**260**	**10.0**	**308**	**8.6**	**2,268**	**10.9**	**212**	**12.3**
DEATHS UNDER 1 YEAR	3	7.7	2	13.4	10	11.1	2	6.6	5	9.1	26	10.1	1	5.3
DEATHS UNDER 28 DAYS	1	2.6	1	6.7	4	4.4	1	3.3	3	5.5	17	6.6	1	5.3
INTESTINAL INFECTIOUS DISEASES	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TUBERCULOSIS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	1.0	0	0.0
SEPTICEMIA	1	2.8	0	0.0	8	11.5	1	3.9	3	8.4	20	9.6	0	0.0
MALIGNANT NEOPLASMS	92	261.1	31	282.4	174	250.8	56	215.9	81	225.5	577	277.9	53	307.7
--OF DIGESTIVE ORGANS AND PERITONEUM	19	53.9	3	27.3	32	46.1	9	34.7	15	41.8	125	60.2	13	75.5
--OF RESPIRATORY SYSTEM AND INTRATHORACIC ORGANS	27	76.6	9	82.0	61	87.9	26	100.2	31	86.3	200	96.3	14	81.3
--OF GENITOURINARY ORGANS	13	36.9	6	54.7	26	37.5	8	30.8	13	36.2	76	36.6	9	52.3
BENIGN NEOPLASMS, CARCINOMA IN SITU, AND NEOPLASM OF UNSPECIFIED NATURE	0	0.0	0	0.0	2	2.9	0	0.0	2	5.6	8	3.9	1	5.8
DIABETES MELLITUS	10	28.4	0	0.0	28	40.4	9	34.7	15	41.8	64	30.8	2	11.6
NUTRITIONAL DEFICIENCIES	1	2.8	0	0.0	0	0.0	1	3.9	0	0.0	8	3.9	0	0.0
ANEMIAS	2	5.7	0	0.0	2	2.9	0	0.0	0	0.0	2	1.0	1	5.8
MAJOR CARDIOVASCULAR DISEASES	191	542.1	66	601.3	416	599.7	128	493.5	142	395.3	945	455.2	102	592.2
DISEASES OF THE HEART	158	448.4	58	528.4	323	465.6	104	401.0	112	311.8	761	366.5	91	528.4
HYPERTENSION	0	0.0	0	0.0	6	8.6	1	3.9	0	0.0	9	4.3	0	0.0
CEREBROVASCULAR DISEASES	25	71.0	7	63.8	63	90.8	14	54.0	20	55.7	131	63.1	8	46.4
ARTERIOSCLEROSIS	3	8.5	0	0.0	8	11.5	4	15.4	3	8.4	21	10.1	0	0.0
OTHER DISEASES OF ARTERIES, ARTERIOLES, AND CAPILLARIES	5	14.2	1	9.1	16	23.1	5	19.3	7	19.5	23	11.1	3	17.4
PNEUMONIA AND INFLUENZA	15	42.6	3	27.3	26	37.5	11	42.4	6	16.7	92	44.3	9	52.3
PNEUMONIA	15	42.6	3	27.3	25	36.0	10	38.6	6	16.7	90	43.3	8	46.4
INFLUENZA	0	0.0	0	0.0	1	1.4	1	3.9	0	0.0	2	1.0	1	5.8
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	18	51.1	9	82.0	39	56.2	8	30.8	7	19.5	93	44.8	8	46.4
BRONCHITIS, EMPHYSEMA, AND ASTHMA	5	14.2	0	0.0	9	13.0	0	0.0	0	0.0	23	11.1	1	5.8
PNEUMOCONIOSIS AND OTHER LUNG DISEASES DUE TO EXTERNAL AGENT	1	2.8	1	9.1	5	7.2	0	0.0	2	5.6	14	6.7	1	5.8
COAL WORKER'S PNEUMOCONIOSIS	0	0.0	0	0.0	2	2.9	0	0.0	0	0.0	5	2.4	0	0.0
ULCER OF STOMACH AND DUODENUM	0	0.0	0	0.0	3	4.3	0	0.0	3	8.4	6	2.9	1	5.8
HERNIA AND INTESTINAL OBSTRUCTION	1	2.8	0	0.0	2	2.9	0	0.0	0	0.0	4	1.9	4	23.2
CHRONIC LIVER DISEASE AND CIRRHOSIS	5	14.2	1	9.1	7	10.1	1	3.9	1	2.8	34	16.4	3	17.4
CHOLELITHIASIS AND OTHER DISORDERS OF THE GALLBLADDER	1	2.8	0	0.0	0	0.0	0	0.0	0	0.0	1	0.5	0	0.0
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	2	5.7	1	9.1	7	10.1	2	7.7	1	2.8	28	13.5	3	17.4
INFECTIONS OF KIDNEY	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
CONGENITAL ANOMALIES	0	0.0	2	18.2	4	5.8	1	3.9	1	2.8	8	3.9	1	5.8
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	2	5.7	0	0.0	3	4.3	0	0.0	2	5.6	9	4.3	1	5.8
BIRTH TRAUMA OR ASPHYXIA, INTRAUTERINE HYPOXIA, AND RESPIRATORY DISTRESS SYNDROME	0	0.0	0	0.0	1	1.4	0	0.0	0	0.0	3	1.4	0	0.0
DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTHWEIGHT	1	2.8	0	0.0	1	1.4	0	0.0	0	0.0	2	1.0	0	0.0
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS	4	11.4	1	9.1	6	8.6	1	3.9	3	8.4	22	10.6	1	5.8
ACCIDENTS, ALL FORMS	9	25.5	6	54.7	24	34.6	13	50.1	16	44.5	94	45.3	7	40.6
MOTOR VEHICLE ACCIDENTS	3	8.5	5	45.5	9	13.0	7	27.0	11	30.6	57	27.5	5	29.0
HOME ACCIDENTS	2	5.7	1	9.1	7	10.1	0	0.0	2	5.6	20	9.6	1	5.8
WORK ACCIDENTS	0	0.0	0	0.0	1	1.4	3	11.6	0	0.0	2	1.0	0	0.0
SUICIDE	6	17.0	2	18.2	9	13.0	2	7.7	2	5.6	32	15.4	2	11.6
HOMICIDE	0	0.0	1	9.1	6	8.6	1	3.9	1	2.8	15	7.2	0	0.0
ALL OTHER CAUSES (REISDUAL)	**27**	**76.6**	**6**	**54.7**	**91**	**131.2**	**25**	**96.4**	**20**	**55.7**	**190**	**91.5**	**12**	**69.7**

SELECTED CAUSES OF RESIDENT DEATHS: NUMBER AND RATE BY COUNTY
WEST VIRGINIA, 1990
Table 37 (Cont'd)

SELECTED CAUSES OF DEATH	NUMBER AND RATE BY COUNTY													
	LINCOLN		LOGAN		MCDOWELL		MARION		MARSHALL		MASON		MERCER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
FETAL DEATHS	3	9.7	5	10.1	5	9.7	8	12.1	3	6.8	1	3.4	4	4.9
TOTAL DEATHS, ALL CAUSES	203	9.5	461	10.7	478	13.6	733	12.8	383	10.3	255	10.1	793	12.2
DEATHS UNDER 1 YEAR	6	19.5	7	14.1	5	9.7	6	9.1	3	6.8	5	17.1	10	12.3
DEATHS UNDER 28 DAYS	5	16.2	6	12.1	2	3.9	3	4.5	2	4.6	3	10.2	6	7.4
INTESTINAL INFECTIOUS DISEASES	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TUBERCULOSIS	1	4.7	1	2.3	0	0.0	0	0.0	0	0.0	0	0.0	1	1.5
SEPTICEMIA	1	4.7	0	0.0	3	8.5	7	12.2	0	0.0	1	4.0	11	16.9
MALIGNANT NEOPLASMS	49	229.2	127	295.1	99	281.0	167	291.7	96	257.0	65	258.2	183	281.6
--OF DIGESTIVE ORGANS AND PERITONEUM	16	74.8	18	41.8	24	68.1	44	76.9	25	66.9	11	43.7	39	60.0
--OF RESPIRATORY SYSTEM AND INTRATHORACIC ORGANS	15	70.2	56	130.1	25	71.0	49	85.6	32	85.7	29	115.2	54	83.1
--OF GENITOURINARY ORGANS	4	18.7	12	27.9	15	42.6	22	38.4	10	26.8	9	35.7	26	40.0
BENIGN NEOPLASMS, CARCINOMA IN SITU, AND NEOPLASM OF UNSPECIFIED NATURE	0	0.0	2	4.6	3	8.5	7	12.2	1	2.7	2	7.9	2	3.1
DIABETES MELLITUS	3	14.0	14	32.5	5	14.2	18	31.4	13	34.8	3	11.9	15	23.1
NUTRITIONAL DEFICIENCIES	0	0.0	0	0.0	0	0.0	1	1.7	2	5.4	0	0.0	0	0.0
ANEMIAS	0	0.0	1	2.3	0	0.0	1	1.7	2	5.4	0	0.0	3	4.6
MAJOR CARDIOVASCULAR DISEASES	87	406.9	186	432.2	203	576.2	342	597.4	171	457.8	111	440.9	343	527.9
DISEASES OF THE HEART	75	350.8	165	383.4	171	485.3	293	511.8	142	380.1	93	369.4	277	426.3
HYPERTENSION	0	0.0	0	0.0	2	5.7	3	5.2	2	5.4	0	0.0	3	4.6
CEREBROVASCULAR DISEASES	7	32.7	16	37.2	21	59.6	36	62.9	23	61.6	14	55.6	50	76.9
ARTERIOSCLEROSIS	1	4.7	1	2.3	2	5.7	4	7.0	1	2.7	2	7.9	2	3.1
OTHER DISEASES OF ARTERIES, ARTERIOLES, AND CAPILLARIES	4	18.7	4	9.3	7	19.9	6	10.5	3	8.0	2	7.9	11	16.9
PNEUMONIA AND INFLUENZA	9	42.1	11	25.6	15	42.6	18	31.4	17	45.5	4	15.9	35	53.9
PNEUMONIA	9	42.1	10	23.2	15	42.6	18	31.4	17	45.5	4	15.9	35	53.9
INFLUENZA	0	0.0	1	2.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	9	42.1	17	39.5	39	110.7	42	73.4	15	40.2	13	51.6	46	70.8
BRONCHITIS, EMPHYSEMA, AND ASTHMA	1	4.7	4	9.3	4	11.4	7	12.2	3	8.0	2	7.9	5	7.7
PNEUMOCONIOSIS AND OTHER LUNG DISEASES DUE TO EXTERNAL AGENT	1	4.7	6	13.9	10	28.4	12	21.0	0	0.0	1	4.0	9	13.9
COAL WORKER'S PNEUMOCONIOSIS	1	4.7	5	11.6	8	22.7	5	8.7	0	0.0	0	0.0	8	12.3
ULCER OF STOMACH AND DUODENUM	0	0.0	1	2.3	1	2.8	1	1.7	1	2.7	4	15.9	5	7.7
HERNIA AND INTESTINAL OBSTRUCTION	0	0.0	1	2.3	0	0.0	1	1.7	2	5.4	1	4.0	2	3.1
CHRONIC LIVER DISEASE AND CIRRHOSIS	2	9.4	3	7.0	8	22.7	2	3.5	2	5.4	1	4.0	9	13.9
CHOLELITHIASIS AND OTHER DISORDERS OF THE GALLBLADDER	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	3.1
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	0	0.0	4	9.3	7	19.9	10	17.5	7	18.7	2	7.9	11	16.9
INFECTIONS OF KIDNEY	0	0.0	1	2.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
CONGENITAL ANOMALIES	4	18.7	7	16.3	1	2.8	4	7.0	1	2.7	2	7.9	2	3.1
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	2	9.4	4	9.3	3	8.5	1	1.7	1	2.7	2	7.9	5	7.7
BIRTH TRAUMA OR ASPHYXIA, INTRAUTERINE HYPOXIA, AND RESPIRATORY DISTRESS SYNDROME	1	4.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	4.6
DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTHWEIGHT	0	0.0	2	4.6	0	0.0	1	1.7	0	0.0	0	0.0	0	0.0
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS	3	14.0	1	2.3	2	5.7	4	7.0	1	2.7	2	7.9	7	10.8
ACCIDENTS, ALL FORMS	7	32.7	32	74.4	18	51.1	26	45.4	11	29.4	20	79.4	35	53.9
MOTOR VEHICLE ACCIDENTS	2	9.4	19	44.2	6	17.0	15	26.2	4	10.7	13	51.6	21	32.3
HOME ACCIDENTS	4	18.7	4	9.3	4	11.4	5	8.7	4	10.7	2	7.9	7	10.8
WORK ACCIDENTS	0	0.0	3	7.0	2	5.7	1	1.7	0	0.0	0	0.0	1	1.5
SUICIDE	7	32.7	7	16.3	8	22.7	5	8.7	3	8.0	2	7.9	4	6.2
HOMICIDE	2	9.4	2	4.6	7	19.9	2	3.5	2	5.4	0	0.0	7	10.8
ALL OTHER CAUSES (REISDUAL)	16	74.8	33	76.7	46	130.6	62	108.3	35	93.7	19	75.5	56	86.2

SELECTED CAUSES OF RESIDENT DEATHS: NUMBER AND RATE BY COUNTY
WEST VIRGINIA, 1990
Table 37 (Cont'd)

SELECTED CAUSES OF DEATH	NUMBER AND RATE BY COUNTY											
	MINERAL		MINGO		MONONGALIA		MONROE		MORGAN		NICHOLAS		OHIO	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
FETAL DEATHS	2	6.0	2	4.0	6	6.3	0	0.0	0	0.0	3	8.5	3	4.7
TOTAL DEATHS, ALL CAUSES	255	9.6	358	10.6	523	6.9	154	12.4	128	10.6	256	9.6	679	13.3
DEATHS UNDER 1 YEAR	5	14.9	5	9.9	15	15.8	1	7.2	1	7.1	3	8.5	4	6.3
DEATHS UNDER 28 DAYS	5	14.9	5	9.9	13	13.7	1	7.2	0	0.0	2	5.7	4	6.3
INTESTINAL INFECTIOUS DISEASES	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TUBERCULOSIS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
SEPTICEMIA	3	11.2	3	8.9	6	7.9	1	8.1	1	8.2	2	7.5	10	19.7
MALIGNANT NEOPLASMS	51	191.0	66	195.6	124	164.2	40	322.4	36	296.8	60	224.1	169	332.2
--OF DIGESTIVE ORGANS AND PERITONEUM	12	44.9	9	26.7	33	43.7	11	88.7	8	66.0	11	41.1	48	94.4
--OF RESPIRATORY SYSTEM AND INTRATHORACIC ORGANS	18	67.4	26	77.1	32	42.4	12	96.7	13	107.2	17	63.5	44	86.5
--OF GENITOURINARY ORGANS	7	26.2	15	44.5	14	18.5	6	48.4	5	41.2	16	59.8	23	45.2
BENIGN NEOPLASMS, CARCINOMA IN SITU, AND NEOPLASM OF UNSPECIFIED NATURE	2	7.5	1	3.0	3	4.0	1	8.1	0	0.0	1	3.7	4	7.9
DIABETES MELLITUS	6	22.5	8	23.7	17	22.5	3	24.2	2	16.5	5	18.7	17	33.4
NUTRITIONAL DEFICIENCIES	0	0.0	2	5.9	0	0.0	0	0.0	0	0.0	0	0.0	1	2.0
ANEMIAS	1	3.7	1	3.0	3	4.0	0	0.0	0	0.0	2	7.5	1	2.0
MAJOR CARDIOVASCULAR DISEASES	111	415.8	155	459.4	223	295.3	56	451.4	55	453.5	118	440.7	319	627.1
DISEASES OF THE HEART	95	355.8	129	382.3	154	203.9	39	314.4	44	362.8	91	339.9	250	491.4
HYPERTENSION	1	3.7	4	11.9	2	2.6	0	0.0	0	0.0	1	3.7	1	2.0
CEREBROVASCULAR DISEASES	11	41.2	17	50.4	36	47.7	13	104.8	9	74.2	22	82.2	50	98.3
ARTERIOSCLEROSIS	3	11.2	1	3.0	25	33.1	1	8.1	0	0.0	0	0.0	7	13.8
OTHER DISEASES OF ARTERIES, ARTERIOLES, AND CAPILLARIES	1	3.7	4	11.9	6	7.9	3	24.2	2	16.5	4	14.9	11	21.6
PNEUMONIA AND INFLUENZA	11	41.2	15	44.5	17	22.5	7	56.4	5	41.2	15	56.0	20	39.3
PNEUMONIA	10	37.5	15	44.5	17	22.5	7	56.4	5	41.2	15	56.0	20	39.3
INFLUENZA	1	3.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	8	30.0	23	68.2	29	38.4	12	96.7	4	33.0	10	37.3	31	60.9
BRONCHITIS, EMPHYSEMA, AND ASTHMA	4	15.0	6	17.8	8	10.6	4	32.2	0	0.0	3	11.2	10	19.7
PNEUMOCONIOSIS AND OTHER LUNG DISEASES DUE TO EXTERNAL AGENT	1	3.7	6	17.8	2	2.6	2	16.1	0	0.0	7	26.1	1	2.0
COAL WORKER'S PNEUMOCONIOSIS	0	0.0	5	14.8	0	0.0	0	0.0	0	0.0	6	22.4	0	0.0
ULCER OF STOMACH AND DUODENUM	0	0.0	1	3.0	2	2.6	0	0.0	0	0.0	1	3.7	1	2.0
HERNIA AND INTESTINAL OBSTRUCTION	0	0.0	0	0.0	1	1.3	0	0.0	0	0.0	0	0.0	2	3.9
CHRONIC LIVER DISEASE AND CIRRHOSIS	1	3.7	1	3.0	1	1.3	0	0.0	1	8.2	1	3.7	4	7.9
CHOLELITHIASIS AND OTHER DISORDERS OF THE GALLBLADDER	1	3.7	1	3.0	0	0.0	0	0.0	0	0.0	0	0.0	1	2.0
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	0	0.0	8	23.7	11	14.6	1	8.1	2	16.5	2	7.5	3	5.9
INFECTIONS OF KIDNEY	0	0.0	0	0.0	1	1.3	0	0.0	0	0.0	1	3.7	0	0.0
CONGENITAL ANOMALIES	1	3.7	2	5.9	6	7.9	1	8.1	1	8.2	1	3.7	3	5.9
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	3	11.2	3	8.9	8	10.6	0	0.0	0	0.0	0	0.0	1	2.0
BIRTH TRAUMA OR ASPHYXIA, INTRAUTERINE HYPOXIA, AND RESPIRATORY DISTRESS SYNDROME	1	3.7	0	0.0	2	2.6	0	0.0	0	0.0	0	0.0	0	0.0
DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTHWEIGHT	0	0.0	0	0.0	1	1.3	0	0.0	0	0.0	0	0.0	0	0.0
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS	3	11.2	2	5.9	2	2.6	3	24.2	0	0.0	1	3.7	4	7.9
ACCIDENTS, ALL FORMS	10	37.5	18	53.4	20	26.5	11	88.7	4	33.0	13	48.6	25	49.1
MOTOR VEHICLE ACCIDENTS	6	22.5	11	32.6	11	14.6	6	48.4	4	33.0	10	37.3	16	31.5
HOME ACCIDENTS	0	0.0	2	5.9	4	5.3	3	24.2	0	0.0	1	3.7	5	9.8
WORK ACCIDENTS	2	7.5	2	5.9	1	1.3	1	8.1	0	0.0	1	3.7	0	0.0
SUICIDE	4	15.0	6	17.8	4	5.3	4	32.2	2	16.5	2	7.5	5	9.8
HOMICIDE	1	3.7	8	23.7	1	1.3	0	0.0	0	0.0	1	3.7	2	3.9
ALL OTHER CAUSES (REISDUAL)	37	138.6	28	83.0	42	55.6	12	96.7	15	123.7	13	48.6	55	108.1

SELECTED CAUSES OF RESIDENT DEATHS: NUMBER AND RATE BY COUNTY
WEST VIRGINIA, 1990
Table 37 (Cont'd)

SELECTED CAUSES OF DEATH	NUMBER AND RATE BY COUNTY													
	PENDLETON		PLEASANTS		POCAHONTAS		PRESTON		PUTNAM		RALEIGH		RANDOLPH	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
FETAL DEATHS	4	43.5	0	0.0	2	16.4	2	5.8	1	1.8	12	13.5	2	5.8
TOTAL DEATHS, ALL CAUSES	75	9.3	78	10.3	122	13.5	295	10.2	306	7.1	859	11.2	287	10.3
DEATHS UNDER 1 YEAR	1	10.9	2	19.6	0	0.0	3	8.7	2	3.7	14	15.7	3	8.7
DEATHS UNDER 28 DAYS	0	0.0	0	0.0	0	0.0	2	5.8	1	1.8	10	11.2	0	0.0
INTESTINAL INFECTIOUS DISEASES	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TUBERCULOSIS	0	0.0	0	0.0	0	0.0	0	0.0	1	2.3	0	0.0	0	0.0
SEPTICEMIA	0	0.0	0	0.0	2	22.2	3	10.3	3	7.0	5	6.5	2	7.2
MALIGNANT NEOPLASMS	15	186.2	20	265.0	26	288.6	63	217.0	67	156.4	180	234.3	62	223.0
--OF DIGESTIVE ORGANS AND PERITONEUM	3	37.2	2	26.5	7	77.7	12	41.3	19	44.4	37	48.2	10	36.0
--OF RESPIRATORY SYSTEM AND INTRATHORACIC ORGANS	5	62.1	9	119.3	7	77.7	19	65.4	21	49.0	55	71.6	26	93.5
--OF GENITOURINARY ORGANS	3	37.2	4	53.0	7	77.7	7	24.1	12	28.0	25	32.5	8	28.8
BENIGN NEOPLASMS, CARCINOMA IN SITU, AND NEOPLASM OF UNSPECIFIED NATURE	0	0.0	0	0.0	0	0.0	2	6.9	1	2.3	5	6.5	0	0.0
DIABETES MELLITUS	0	0.0	0	0.0	6	66.6	6	20.7	9	21.0	31	40.4	8	28.8
NUTRITIONAL DEFICIENCIES	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
ANEMIAS	0	0.0	0	0.0	0	0.0	0	0.0	1	2.3	2	2.6	0	0.0
MAJOR CARDIOVASCULAR DISEASES	33	409.7	29	384.3	57	632.8	126	433.9	148	345.5	365	475.1	117	420.8
DISEASES OF THE HEART	24	298.0	24	318.0	41	455.2	101	347.8	122	284.8	303	394.4	90	323.7
HYPERTENSION	0	0.0	0	0.0	2	22.2	2	6.9	3	7.0	1	1.3	2	7.2
CEREBROVASCULAR DISEASES	7	86.9	3	39.8	12	133.2	15	51.7	16	37.4	48	62.5	21	75.5
ARTERIOSCLEROSIS	2	24.8	1	13.3	0	0.0	7	24.1	2	4.7	6	7.8	1	3.6
OTHER DISEASES OF ARTERIES, ARTERIOLES, AND CAPILLARIES	0	0.0	1	13.3	2	22.2	1	3.4	5	11.7	7	9.1	3	10.8
PNEUMONIA AND INFLUENZA	4	49.7	5	66.3	8	88.8	13	44.8	13	30.3	43	56.0	9	32.4
PNEUMONIA	4	49.7	5	66.3	8	88.8	12	41.3	12	28.0	43	56.0	9	32.4
INFLUENZA	0	0.0	0	0.0	0	0.0	1	3.4	1	2.3	0	0.0	0	0.0
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	0	0.0	4	53.0	6	66.6	12	41.3	10	23.3	36	46.9	17	61.1
BRONCHITIS, EMPHYSEMA, AND ASTHMA	0	0.0	2	26.5	2	22.2	7	24.1	1	2.3	13	16.9	3	10.8
PNEUMOCONIOSIS AND OTHER LUNG DISEASES DUE TO EXTERNAL AGENT	0	0.0	1	13.3	0	0.0	2	6.9	2	4.7	32	41.7	5	18.0
COAL WORKER'S PNEUMOCONIOSIS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	30	39.1	1	3.6
ULCER OF STOMACH AND DUODENUM	0	0.0	0	0.0	0	0.0	2	6.9	1	2.3	2	2.6	1	3.6
HERNIA AND INTESTINAL OBSTRUCTION	0	0.0	1	13.3	0	0.0	3	10.3	1	2.3	1	1.3	0	0.0
CHRONIC LIVER DISEASE AND CIRRHOSIS	0	0.0	0	0.0	3	33.3	2	6.9	1	2.3	13	16.9	2	7.2
CHOLELITHIASIS AND OTHER DISORDERS OF THE GALLBLADDER	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	1.3	1	3.6
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	2	24.8	0	0.0	3	33.3	5	17.2	1	2.3	7	9.1	6	21.6
INFECTIONS OF KIDNEY	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
CONGENITAL ANOMALIES	0	0.0	1	13.3	0	0.0	2	6.9	4	9.3	4	5.2	1	3.6
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	1	12.4	0	0.0	0	0.0	1	3.4	0	0.0	9	11.7	1	3.6
BIRTH TRAUMA OR ASPHYXIA, INTRAUTERINE HYPOXIA, AND RESPIRATORY DISTRESS SYNDROME	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	3.9	1	3.6
DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTHWEIGHT	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	2.6	0	0.0
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS	0	0.0	3	39.8	1	11.1	0	0.0	1	2.3	7	9.1	1	3.6
ACCIDENTS, ALL FORMS	7	86.9	3	39.8	6	66.6	16	55.1	16	37.4	46	59.9	18	64.7
MOTOR VEHICLE ACCIDENTS	3	37.2	1	13.3	3	33.3	5	17.2	6	14.0	19	24.7	10	36.0
HOME ACCIDENTS	0	0.0	0	0.0	0	0.0	5	17.2	3	7.0	12	15.6	1	3.6
WORK ACCIDENTS	1	12.4	0	0.0	0	0.0	1	3.4	2	4.7	3	3.9	4	14.4
SUICIDE	2	24.8	1	13.3	0	0.0	6	20.7	2	4.7	8	10.4	4	14.4
HOMICIDE	0	0.0	0	0.0	1	11.1	3	10.3	2	4.7	10	13.0	2	7.2
ALL OTHER CAUSES (REISDUAL)	11	136.6	10	132.5	3	33.3	28	96.4	22	51.4	52	67.7	30	107.9

SELECTED CAUSES OF RESIDENT DEATHS: NUMBER AND RATE BY COUNTY
WEST VIRGINIA, 1990
Table 37 (Cont'd)

SELECTED CAUSES OF DEATH	NUMBER AND RATE BY COUNTY													
	RITCHIE		ROANE		SUMMERS		TAYLOR		TUCKER		TYLER		UPSHUR	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
FETAL DEATHS	0	0.0	1	5.5	3	24.6	4	21.6	1	10.8	1	8.4	3	9.3
TOTAL DEATHS, ALL CAUSES	123	12.0	179	11.8	164	11.5	180	11.9	119	15.4	109	11.1	214	9.4
DEATHS UNDER 1 YEAR	0	0.0	2	10.9	1	8.2	3	16.2	6	64.5	0	0.0	6	18.6
DEATHS UNDER 28 DAYS	0	0.0	2	10.9	1	8.2	2	10.8	6	64.5	0	0.0	3	9.3
INTESTINAL INFECTIOUS DISEASES	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TUBERCULOSIS	0	0.0	0	0.0	1	7.0	1	6.6	1	12.9	0	0.0	0	0.0
SEPTICEMIA	0	0.0	0	0.0	3	21.1	1	6.6	2	25.9	1	10.2	5	21.9
MALIGNANT NEOPLASMS	22	215.0	41	271.2	41	288.7	52	343.4	23	297.6	32	326.7	50	218.7
--OF DIGESTIVE ORGANS AND PERITONEUM	3	29.3	9	59.5	7	49.3	13	85.8	7	90.6	15	153.1	11	48.1
--OF RESPIRATORY SYSTEM AND INTRATHORACIC ORGANS	2	19.5	16	105.8	15	105.6	20	132.1	7	90.6	7	71.5	12	52.5
--OF GENITOURINARY ORGANS	2	19.5	2	13.2	5	35.2	6	39.6	2	25.9	3	30.6	11	48.1
BENIGN NEOPLASMS, CARCINOMA IN SITU, AND NEOPLASM OF UNSPECIFIED NATURE	1	9.8	2	13.2	1	7.0	1	6.6	1	12.9	0	0.0	1	4.4
DIABETES MELLITUS	0	0.0	3	19.8	4	28.2	2	13.2	2	25.9	2	20.4	3	13.1
NUTRITIONAL DEFICIENCIES	1	9.8	0	0.0	0	0.0	1	6.6	0	0.0	0	0.0	0	0.0
ANEMIAS	0	0.0	1	6.6	0	0.0	2	13.2	0	0.0	0	0.0	0	0.0
MAJOR CARDIOVASCULAR DISEASES	64	625.4	92	608.5	66	464.7	82	541.5	59	763.5	50	510.4	98	428.6
DISEASES OF THE HEART	56	547.2	68	449.7	54	380.2	73	482.0	52	672.9	37	377.7	82	358.6
HYPERTENSION	0	0.0	0	0.0	1	7.0	0	0.0	1	12.9	1	10.2	1	4.4
CEREBROVASCULAR DISEASES	4	39.1	18	119.0	9	63.4	8	52.8	6	77.6	12	122.5	13	56.9
ARTERIOSCLEROSIS	4	39.1	0	0.0	1	7.0	0	0.0	0	0.0	0	0.0	0	0.0
OTHER DISEASES OF ARTERIES, ARTERIOLES, AND CAPILLARIES	0	0.0	6	39.7	1	7.0	1	6.6	0	0.0	0	0.0	2	8.7
PNEUMONIA AND INFLUENZA	6	58.6	5	33.1	5	35.2	8	52.8	1	12.9	3	30.6	5	21.9
PNEUMONIA	6	58.6	5	33.1	5	35.2	7	46.2	1	12.9	2	20.4	5	21.9
INFLUENZA	0	0.0	0	0.0	0	0.0	1	6.6	0	0.0	1	10.2	0	0.0
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	7	68.4	6	39.7	12	84.5	6	39.6	6	77.6	2	20.4	5	21.9
BRONCHITIS, EMPHYSEMA, AND ASTHMA	3	29.3	0	0.0	4	28.2	1	6.6	1	12.9	2	20.4	1	4.4
PNEUMOCONIOSIS AND OTHER LUNG DISEASES DUE TO EXTERNAL AGENT	1	9.8	0	0.0	3	21.1	3	19.8	0	0.0	1	10.2	3	13.1
COAL WORKER'S PNEUMOCONIOSIS	0	0.0	0	0.0	1	7.0	1	6.6	0	0.0	0	0.0	2	8.7
ULCER OF STOMACH AND DUODENUM	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
HERNIA AND INTESTINAL OBSTRUCTION	0	0.0	0	0.0	0	0.0	2	13.2	0	0.0	0	0.0	0	0.0
CHRONIC LIVER DISEASE AND CIRRHOSIS	1	9.8	1	6.6	1	7.0	2	13.2	0	0.0	1	10.2	1	4.4
CHOLELITHIASIS AND OTHER DISORDERS OF THE GALLBLADDER	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	10.2	0	0.0
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	1	9.8	1	6.6	3	21.1	1	6.6	1	12.9	1	10.2	4	17.5
INFECTIONS OF KIDNEY	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
CONGENITAL ANOMALIES	0	0.0	0	0.0	0	0.0	2	13.2	2	25.9	0	0.0	2	8.7
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	0	0.0	2	13.2	1	7.0	1	6.6	4	51.8	0	0.0	3	13.1
BIRTH TRAUMA OR ASPHYXIA, INTRAUTERINE HYPOXIA, AND RESPIRATORY DISTRESS SYNDROME	0	0.0	0	0.0	0	0.0	1	6.6	0	0.0	0	0.0	1	4.4
DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTHWEIGHT	0	0.0	0	0.0	0	0.0	0	0.0	4	51.8	0	0.0	1	4.4
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS	0	0.0	2	13.2	0	0.0	1	6.6	0	0.0	1	10.2	4	17.5
ACCIDENTS, ALL FORMS	7	68.4	10	66.1	6	42.2	5	33.0	3	38.8	6	61.2	10	43.7
MOTOR VEHICLE ACCIDENTS	5	48.9	5	33.1	2	14.1	5	33.0	1	12.9	4	40.8	5	21.9
HOME ACCIDENTS	0	0.0	2	13.2	4	28.2	0	0.0	1	12.9	0	0.0	0	0.0
WORK ACCIDENTS	0	0.0	2	13.2	0	0.0	0	0.0	1	12.9	0	0.0	2	8.7
SUICIDE	1	9.8	1	6.6	1	7.0	0	0.0	0	0.0	1	10.2	5	21.9
HOMICIDE	1	9.8	1	6.6	0	0.0	0	0.0	0	0.0	0	0.0	1	4.4
ALL OTHER CAUSES (REISDUAL)	10	97.7	11	72.8	16	112.6	7	46.2	14	181.2	7	71.5	14	61.2

SELECTED CAUSES OF RESIDENT DEATHS: NUMBER AND RATE BY COUNTY
WEST VIRGINIA, 1990
Table 37 (Cont'd)

SELECTED CAUSES OF DEATH	NUMBER AND RATE BY COUNTY													
	WAYNE		WEBSTER		WETZEL		WIRT		WOOD		WYOMING		TOTAL	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
FETAL DEATHS	6	11.9	2	14.6	4	14.5	0	0.0	3	2.6	7	21.0	168	7.4
TOTAL DEATHS, ALL CAUSES	399	9.6	133	12.4	188	9.8	52	10.0	892	10.3	237	8.2	19,360	10.8
DEATHS UNDER 1 YEAR	3	6.0	3	21.9	1	3.6	1	17.5	10	8.6	2	6.0	222	9.8
DEATHS UNDER 28 DAYS	1	2.0	1	7.3	0	0.0	1	17.5	5	4.3	2	6.0	142	6.3
INTESTINAL INFECTIOUS DISEASES	0	0.0	0	0.0	0	0.0	0	0.0	1	1.2	0	0.0	1	0.1
TUBERCULOSIS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	12	0.7
SEPTICEMIA	0	0.0	0	0.0	0	0.0	0	0.0	6	6.9	2	6.9	151	8.4
MALIGNANT NEOPLASMS	81	194.5	21	195.7	38	197.3	15	288.9	187	215.2	47	162.1	4,433	247.2
--OF DIGESTIVE ORGANS AND PERITONEUM	12	28.8	1	9.3	12	62.3	1	19.3	40	46.0	9	31.0	971	54.1
--OF RESPIRATORY SYSTEM AND INTRATHORACIC ORGANS	33	79.3	9	83.9	9	46.7	8	154.1	63	72.5	20	69.0	1,475	82.2
--OF GENITOURINARY ORGANS	13	31.2	4	37.3	7	36.3	1	19.3	30	34.5	8	27.6	620	34.6
BENIGN NEOPLASMS, CARCINOMA IN SITU, AND NEOPLASM OF UNSPECIFIED NATURE	2	4.8	0	0.0	0	0.0	0	0.0	1	1.2	0	0.0	75	4.2
DIABETES MELLITUS	10	24.0	4	37.3	6	31.2	0	0.0	20	23.0	5	17.2	486	27.1
NUTRITIONAL DEFICIENCIES	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	25	1.4
ANEMIAS	0	0.0	0	0.0	1	5.2	0	0.0	4	4.6	1	3.4	42	2.3
MAJOR CARDIOVASCULAR DISEASES	192	461.1	58	540.6	90	467.3	24	462.2	430	494.7	104	358.7	8,712	485.8
DISEASES OF THE HEART	149	357.9	50	466.0	63	327.1	17	327.4	337	387.7	92	317.4	7,036	392.3
HYPERTENSION	2	4.8	0	0.0	1	5.2	0	0.0	4	4.6	0	0.0	76	4.2
CEREBROVASCULAR DISEASES	36	86.5	7	65.2	22	114.2	6	115.6	59	67.9	11	37.9	1,204	67.1
ARTERIOSCLEROSIS	2	4.8	0	0.0	3	15.6	0	0.0	19	21.9	0	0.0	164	9.1
OTHER DISEASES OF ARTERIES, ARTERIOLES, AND CAPILLARIES	3	7.2	1	9.3	1	5.2	1	19.3	11	12.7	1	3.4	232	12.9
PNEUMONIA AND INFLUENZA	8	19.2	2	18.6	11	57.1	1	19.3	34	39.1	6	20.7	711	39.6
PNEUMONIA	8	19.2	2	18.6	9	46.7	1	19.3	33	38.0	6	20.7	693	38.6
INFLUENZA	0	0.0	0	0.0	2	10.4	0	0.0	1	1.2	0	0.0	18	1.0
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	25	60.0	10	93.2	11	57.1	1	19.3	37	42.6	16	55.2	924	51.5
BRONCHITIS, EMPHYSEMA, AND ASTHMA	12	28.8	4	37.3	5	26.0	1	19.3	8	9.2	5	17.2	233	13.0
PNEUMOCONIOSIS AND OTHER LUNG DISEASES DUE TO EXTERNAL AGENT	2	4.8	2	18.6	0	0.0	0	0.0	4	4.6	8	27.6	195	10.9
COAL WORKER'S PNEUMOCONIOSIS	1	2.4	2	18.6	0	0.0	0	0.0	0	0.0	4	13.8	106	5.9
ULCER OF STOMACH AND DUODENUM	1	2.4	0	0.0	0	0.0	0	0.0	3	3.5	1	3.4	50	2.8
HERNIA AND INTESTINAL OBSTRUCTION	2	4.8	1	9.3	0	0.0	0	0.0	3	3.5	1	3.4	49	2.7
CHRONIC LIVER DISEASE AND CIRRHOSIS	6	14.4	0	0.0	1	5.2	3	57.8	4	4.6	4	13.8	182	10.1
CHOLELITHIASIS AND OTHER DISORDERS OF THE GALLBLADDER	0	0.0	0	0.0	0	0.0	0	0.0	2	2.3	0	0.0	15	0.8
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	2	4.8	3	28.0	4	20.8	0	0.0	11	12.7	1	3.4	195	10.9
INFECTIONS OF KIDNEY	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4	0.2
CONGENITAL ANOMALIES	3	7.2	1	9.3	0	0.0	1	19.3	5	5.8	2	6.9	104	5.8
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	0	0.0	0	0.0	0	0.0	0	0.0	2	2.3	0	0.0	84	4.7
BIRTH TRAUMA OR ASPHYXIA, INTRAUTERINE HYPOXIA, AND RESPIRATORY DISTRESS SYNDROME	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	21	1.2
DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTHWEIGHT	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	17	0.9
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS	3	7.2	1	9.3	0	0.0	0	0.0	12	13.8	2	6.9	162	9.0
ACCIDENTS, ALL FORMS	15	36.0	12	111.8	10	51.9	3	57.8	41	47.2	14	48.3	857	47.8
MOTOR VEHICLE ACCIDENTS	10	24.0	8	74.6	6	31.2	2	38.5	22	25.3	7	24.1	475	26.5
HOME ACCIDENTS	2	4.8	1	9.3	1	5.2	1	19.3	10	11.5	4	13.8	164	9.1
WORK ACCIDENTS	1	2.4	2	18.6	0	0.0	0	0.0	1	1.2	1	3.4	50	2.8
SUICIDE	4	9.6	2	18.6	2	10.4	1	19.3	8	9.2	6	20.7	220	12.3
HOMICIDE	3	7.2	0	0.0	0	0.0	0	0.0	1	1.2	1	3.4	114	6.4
ALL OTHER CAUSES (REISDUAL)	40	96.1	16	149.1	14	72.7	3	57.8	76	87.4	16	55.2	1,557	86.8

SELECTED CAUSES OF RESIDENT DEATHS: NUMBER AND RATE BY CITY
WEST VIRGINIA, 1990
Table 38

SELECTED CAUSES OF DEATH	NUMBER AND RATE FOR LEADING CITIES															
	BECKLEY		BLUEFIELD		CHARLESTON		CLARKSBURG		FAIRMONT		HUNTINGTON		MARTINSBURG		MORGANTOWN	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
FETAL DEATHS	7	23.2	1	5.6	6	7.5	0	0.0	3	11.9	8	10.8	2	6.5	3	8.6
TOTAL DEATHS, ALL CAUSES	337	18.4	209	16.4	793	13.8	323	17.9	316	15.6	840	15.3	232	16.5	268	10.4
DEATHS UNDER 1 YEAR	4	13.2	0	0.0	12	15.1	4	15.4	2	7.9	5	6.8	4	13.1	9	25.9
DEATHS UNDER 28 DAYS	3	9.9	0	0.0	9	11.3	2	7.7	1	4.0	3	4.1	3	9.8	8	23.1
INTESTINAL INFECTIOUS DISEASES	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TUBERCULOSIS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	1.8	0	0.0	0	0.0
SEPTICEMIA	3	16.4	1	7.8	11	19.2	5	27.7	3	14.8	3	5.5	3	21.3	3	11.6
MALIGNANT NEOPLASMS	76	415.4	45	352.8	188	328.2	58	321.2	71	351.3	212	386.6	47	334.0	58	224.1
--OF DIGESTIVE ORGANS AND PERITONEUM	18	98.4	7	54.9	41	71.6	13	72.0	17	84.1	45	82.1	10	71.1	17	65.7
--OF RESPIRATORY SYSTEM AND INTRATHORACIC ORGANS	23	125.7	13	101.9	70	122.2	17	94.1	16	79.2	69	125.8	17	120.8	14	54.1
--OF GENITOURINARY ORGANS	13	71.1	7	54.9	19	33.2	8	44.3	11	54.4	30	54.7	5	35.5	3	11.6
BENIGN NEOPLASMS, CARCINOMA IN SITU, AND NEOPLASM OF UNSPECIFIED NATURE	4	21.9	2	15.7	1	1.7	1	5.5	3	14.8	4	7.3	0	0.0	1	3.9
DIABETES MELLITUS	11	60.1	0	0.0	23	40.1	14	77.5	8	39.6	13	23.7	6	42.6	10	38.6
NUTRITIONAL DEFICIENCIES	0	0.0	0	0.0	5	8.7	0	0.0	1	4.9	1	1.8	0	0.0	0	0.0
ANEMIAS	1	5.5	0	0.0	1	1.7	0	0.0	0	0.0	1	1.8	0	0.0	2	7.7
MAJOR CARDIOVASCULAR DISEASES	139	759.7	95	744.7	320	558.6	160	886.0	144	712.5	401	731.2	114	810.1	113	436.6
DISEASES OF THE HEART	115	628.6	75	588.0	249	434.7	121	670.0	128	633.3	313	570.7	82	582.7	78	301.4
HYPERTENSION	1	5.5	1	7.8	4	7.0	2	11.1	1	4.9	3	5.5	2	14.2	1	3.9
CEREBROVASCULAR DISEASES	18	98.4	14	109.8	53	92.5	27	149.5	13	64.3	75	136.8	25	177.6	21	81.1
ARTERIOSCLEROSIS	3	16.4	1	7.8	5	8.7	1	5.5	0	0.0	3	5.5	2	14.2	8	30.9
OTHER DISEASES OF ARTERIES, ARTERIOLES, AND CAPILLARIES	2	10.9	4	31.4	9	15.7	9	49.8	2	9.9	7	12.8	3	21.3	5	19.3
PNEUMONIA AND INFLUENZA	18	98.4	11	86.2	34	59.4	7	38.8	9	44.5	28	51.1	12	85.3	12	46.4
PNEUMONIA	18	98.4	11	86.2	32	55.9	7	38.8	9	44.5	28	51.1	12	85.3	12	46.4
INFLUENZA	0	0.0	0	0.0	2	3.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	15	82.0	12	94.1	32	55.9	13	72.0	13	64.3	38	69.3	12	85.3	15	58.0
BRONCHITIS, EMPHYSEMA, AND ASTHMA	5	27.3	1	7.8	12	20.9	3	16.6	2	9.9	14	25.5	5	35.5	5	19.3
PNEUMOCONIOSIS AND OTHER LUNG DISEASES DUE TO EXTERNAL AGENT	12	65.6	1	7.8	3	5.2	0	0.0	5	24.7	3	5.5	0	0.0	2	7.7
COAL WORKER'S PNEUMOCONIOSIS	10	54.7	1	7.8	1	1.7	0	0.0	0	0.0	1	1.8	0	0.0	0	0.0
ULCER OF STOMACH AND DUODENUM	0	0.0	1	7.8	3	5.2	2	11.1	0	0.0	1	1.8	1	7.1	1	3.9
HERNIA AND INTESTINAL OBSTRUCTION	0	0.0	0	0.0	3	5.2	0	0.0	1	4.9	1	1.8	0	0.0	1	3.9
CHRONIC LIVER DISEASE AND CIRRHOSIS	8	43.7	5	39.2	18	31.4	2	11.1	1	4.9	11	20.1	4	28.4	1	3.9
CHOLELITHIASIS AND OTHER DISORDERS OF THE GALLBLADDER	0	0.0	1	7.8	1	1.7	0	0.0	0	0.0	1	1.8	0	0.0	0	0.0
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	5	27.3	5	39.2	8	14.0	4	22.1	3	14.8	4	7.3	2	14.2	4	15.5
INFECTIONS OF KIDNEY	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	3.9
CONGENITAL ANOMALIES	2	10.9	0	0.0	3	5.2	2	11.1	3	14.8	5	9.1	1	7.1	3	11.6
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	2	10.9	0	0.0	6	10.5	1	5.5	0	0.0	0	0.0	3	21.3	6	23.2
BIRTH TRAUMA OR ASPHYXIA, INTRAUTERINE HYPOXIA, AND RESPIRATORY DISTRESS SYNDROME	1	5.5	0	0.0	1	1.7	1	5.5	0	0.0	0	0.0	1	7.1	2	7.7
DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTHWEIGHT	0	0.0	0	0.0	2	3.5	0	0.0	0	0.0	0	0.0	0	0.0	1	3.9
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS	4	21.9	1	7.8	10	17.5	5	27.7	1	4.9	7	12.8	3	21.3	2	7.7
ACCIDENTS, ALL FORMS	13	71.1	11	86.2	26	45.4	6	33.2	14	69.3	27	49.2	4	28.4	8	30.9
MOTOR VEHICLE ACCIDENTS	4	21.9	4	31.4	12	20.9	2	11.1	6	29.7	8	14.6	2	14.2	6	23.2
HOME ACCIDENTS	5	27.3	5	39.2	10	17.5	3	16.6	5	24.7	9	16.4	0	0.0	0	0.0
WORK ACCIDENTS	1	5.5	0	0.0	0	0.0	0	0.0	0	0.0	1	1.8	0	0.0	0	0.0
SUICIDE	2	10.9	2	15.7	13	22.7	2	11.1	3	14.8	7	12.8	2	14.2	1	3.9
HOMICIDE	4	21.9	3	23.5	6	10.5	1	5.5	2	9.9	4	7.3	4	28.4	0	0.0
ALL OTHER CAUSES (RESIDUAL)	18	98.4	13	101.9	78	136.2	40	221.5	31	153.4	67	122.2	14	99.5	24	92.7

SELECTED CAUSES OF RESIDENT DEATHS NUMBER AND RATE BY CITY
WEST VIRGINIA, 1990
Table 38 (Cont'd)

SELECTED CAUSES OF DEATH	NUMBER AND RATE FOR LEADING CITIES													
	MOUNDSVILLE		PARKERSBURG		SAINT ALBANS		SO CHARLESTON		VIENNA		WEIRTON		WHEELING	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
FETAL DEATHS	2	14.1	2	3.6	0	0.0	1	6.6	0	0.0	0	0.0	2	4.3
TOTAL DEATHS, ALL CAUSES	178	16.6	529	15.6	217	19.4	163	11.9	107	9.9	241	10.9	559	16.0
DEATHS UNDER 1 YEAR	0	0.0	7	12.5	3	19.4	1	6.6	1	8.7	0	0.0	2	4.3
DEATHS UNDER 28 DAYS	0	0.0	2	3.6	2	12.9	1	6.6	1	8.7	0	0.0	2	4.3
INTESTINAL INFECTIOUS DISEASES	0	0.0	1	3.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TUBERCULOSIS	0	0.0	0	0.0	1	8.9	0	0.0	0	0.0	0	0.0	0	0.0
SEPTICEMIA	0	0.0	4	11.8	2	17.9	0	0.0	0	0.0	1	4.5	9	25.8
MALIGNANT NEOPLASMS	40	372.0	95	280.6	60	536.0	46	337.1	25	230.2	56	253.1	132	378.4
--OF DIGESTIVE ORGANS AND PERITONEUM	9	83.7	26	76.8	14	125.1	16	117.3	5	46.0	11	49.7	42	120.4
--OF RESPIRATORY SYSTEM AND INTRATHORACIC ORGANS	12	111.6	29	85.6	22	196.5	15	109.9	8	73.7	14	63.3	32	91.7
--OF GENITOURINARY ORGANS	4	37.2	16	47.3	7	62.5	9	66.0	3	27.6	10	45.2	18	51.6
BENIGN NEOPLASMS, CARCINOMA IN SITU, AND NEOPLASM OF UNSPECIFIED NATURE	1	9.3	1	3.0	1	8.9	1	7.3	0	0.0	0	0.0	3	8.6
DIABETES MELLITUS	6	55.8	13	38.4	2	17.9	6	44.0	1	9.2	8	36.2	14	40.1
NUTRITIONAL DEFICIENCIES	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	2.9
ANEMIAS	1	9.3	2	5.9	0	0.0	0	0.0	0	0.0	1	4.5	0	0.0
MAJOR CARDIOVASCULAR DISEASES	86	799.8	258	761.9	104	929.1	70	513.0	58	534.0	126	569.5	271	776.9
DISEASES OF THE HEART	74	688.2	197	581.8	87	777.2	59	432.4	43	395.9	107	483.6	209	599.2
HYPERTENSION	1	9.3	4	11.8	0	0.0	1	7.3	0	0.0	0	0.0	1	2.9
CEREBROVASCULAR DISEASES	10	93.0	39	115.2	8	71.5	7	51.3	11	101.3	14	63.3	46	131.9
ARTERIOSCLEROSIS	0	0.0	11	32.5	6	53.6	3	22.0	4	36.8	2	9.0	5	14.3
OTHER DISEASES OF ARTERIES, ARTERIOLES, AND CAPILLARIES	1	9.3	7	20.7	3	26.8	0	0.0	0	0.0	3	13.6	10	28.7
PNEUMONIA AND INFLUENZA	8	74.4	22	65.0	3	26.8	9	66.0	3	27.6	10	45.2	17	48.7
PNEUMONIA	8	74.4	22	65.0	3	26.8	9	66.0	3	27.6	10	45.2	17	48.7
INFLUENZA	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	7	65.1	26	76.8	11	98.3	2	14.7	1	9.2	10	45.2	26	74.5
BRONCHITIS, EMPHYSEMA, AND ASTHMA	1	9.3	7	20.7	1	8.9	0	0.0	0	0.0	2	9.0	9	25.8
PNEUMOCONIOSIS AND OTHER LUNG DISEASES DUE TO EXTERNAL AGENT	0	0.0	2	5.9	1	8.9	0	0.0	1	9.2	0	0.0	1	2.9
COAL WORKER'S PNEUMOCONIOSIS	0	0.0	0	0.0	1	8.9	0	0.0	0	0.0	0	0.0	0	0.0
ULCER OF STOMACH AND DUODENUM	0	0.0	2	5.9	0	0.0	0	0.0	1	9.2	0	0.0	1	2.9
HERNIA AND INTESTINAL OBSTRUCTION	0	0.0	1	3.0	0	0.0	1	7.3	1	9.2	1	4.5	1	2.9
CHRONIC LIVER DISEASE AND CIRRHOSIS	1	9.3	1	3.0	2	17.9	2	14.7	0	0.0	4	18.1	3	8.6
CHOLELITHIASIS AND OTHER DISORDERS OF THE GALLBLADDER	0	0.0	2	5.9	0	0.0	0	0.0	0	0.0	1	4.5	1	2.9
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	4	37.2	7	20.7	1	8.9	4	29.3	2	18.4	1	4.5	3	8.6
INFECTIONS OF KIDNEY	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
CONGENITAL ANOMALIES	0	0.0	1	3.0	1	8.9	1	7.3	1	9.2	0	0.0	1	2.9
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	0	0.0	2	5.9	1	8.9	0	0.0	0	0.0	0	0.0	1	2.9
BIRTH TRAUMA OR ASPHYXIA, INTRAUTERINE HYPOXIA, AND RESPIRATORY DISTRESS SYNDROME	0	0.0	0	0.0	1	8.9	0	0.0	0	0.0	0	0.0	0	0.0
DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTHWEIGHT	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS	1	9.3	7	20.7	1	8.9	0	0.0	3	27.6	1	4.5	4	11.5
ACCIDENTS, ALL FORMS	5	46.5	23	67.9	8	71.5	2	14.7	3	27.6	4	18.1	16	45.9
MOTOR VEHICLE ACCIDENTS	1	9.3	11	32.5	1	8.9	1	7.3	2	18.4	0	0.0	10	28.7
HOME ACCIDENTS	3	27.9	5	14.8	2	17.9	0	0.0	1	9.2	1	4.5	4	11.5
WORK ACCIDENTS	0	0.0	1	3.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
SUICIDE	2	18.6	3	8.9	1	8.9	4	29.3	1	9.2	2	9.0	5	14.3
HOMICIDE	1	9.3	1	3.0	3	26.8	0	0.0	0	0.0	0	0.0	2	5.7
ALL OTHER CAUSES (RESIDUAL)	15	139.5	55	162.4	14	125.1	15	109.9	6	55.2	15	67.8	47	134.7

SELECTED CAUSES OF RESIDENT DEATHS: NUMBER BY RACE AND SEX
WEST VIRGINIA, 1990
Table 39

SELECTED CAUSES OF DEATH	NUMBER BY RACE AND SEX						TOTAL
	WHITE		BLACK		OTHER		
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	
FETAL DEATHS	84	66	10	8	0	0	168
TOTAL DEATHS, ALL CAUSES	9,780	8,798	422	345	10	5	19,360
DEATHS UNDER 1 YEAR	120	87	10	5	0	0	222
DEATHS UNDER 28 DAYS	76	55	7	4	0	0	142
INTESTINAL INFECTIOUS DISEASES	1	0	0	0	0	0	1
TUBERCULOSIS	4	7	0	1	0	0	12
SEPTICEMIA	63	81	2	5	0	0	151
MALIGNANT NEOPLASMS	2,351	1,905	89	83	3	2	4,433
--OF DIGESTIVE ORGANS AND PERITONEUM	495	434	21	20	1	0	971
--OF RESPIRATORY SYSTEM AND INTRATHORACIC ORGANS	966	456	30	19	2	2	1,475
--OF GENITOURINARY ORGANS	354	239	19	8	0	0	620
BENIGN NEOPLASMS, CARCINOMA IN SITU, NEOPLASM OF UNSPECIFIED NATURE	35	38	1	1	0	0	75
DIABETES MELLITUS	181	281	12	12	0	0	486
NUTRITIONAL DEFICIENCIES	6	17	1	1	0	0	25
ANEMIAS	13	28	1	0	0	0	42
MAJOR CARDIOVASCULAR DISEASES	4,162	4,224	164	160	0	2	8,712
DISEASES OF THE HEART	3,496	3,276	132	130	0	2	7,036
HYPERTENSION	28	45	1	2	0	0	76
CEREBROVASCULAR DISEASES	449	709	23	23	0	0	1,204
ARTERIOSCLEROSIS	64	94	4	2	0	0	164
OTHER DISEASES OF ARTERIES, ARTERIOLES, AND CAPILLARIES	125	100	4	3	0	0	232
PNEUMONIA AND INFLUENZA	340	345	14	12	0	0	711
PNEUMOMIA	331	336	14	12	0	0	693
INFLUENZA	9	9	0	0	0	0	18
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	521	366	28	9	0	0	924
BRONCHITIS, EMPHYSEMA, AND ASTHMA	124	102	5	2	0	0	233
PNEUMOCONIOSIS AND OTHER LUNG DISEASES DUE TO EXTERNAL AGENT	145	36	12	2	0	0	195
COAL WORKER'S PNEUMOCONIOSIS	94	1	11	0	0	0	106
ULCER OF STOMACH AND DUODENUM	25	24	1	0	0	0	50
HERNIA AND INTESTINAL OBSTRUCTION	15	30	3	1	0	0	49
CHRONIC LIVER DISEASE AND CIRRHOSIS	116	53	11	2	0	0	182
CHOLELITHIASIS AND OTHER DISORDERS OF THE GALLBLADDER	7	7	1	0	0	0	15
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	97	85	4	8	1	0	195
INFECTIONS OF KIDNEY	3	1	0	0	0	0	4
CONGENITAL ANOMALIES	54	43	4	3	0	0	104
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	45	31	4	4	0	0	84
BIRTH TRAUMA OR ASPHYXIA, INTRAUTERINE HYPOXIA, AND RESPIRATORY DISTRESS SYNDROME	10	8	1	2	0	0	21
DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTH WEIGHT	8	7	1	1	0	0	17
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS	81	70	7	4	0	0	162
ACCIDENTS, ALL FORMS	547	284	16	5	4	1	857
MOTOR VEHICLE ACCIDENTS	323	140	5	2	4	1	475
HOME ACCIDENTS	81	74	6	3	0	0	164
WORK ACCIDENTS	49	1	0	0	0	0	50
SUICIDE	181	32	6	0	1	0	220
HOMICIDE	81	19	10	3	1	0	114
ALL OTHER CAUSES (RESIDUAL)	706	791	31	29	0	0	1,557

SELECTED CAUSES OF RESIDENT DEATHS BY AGE GROUPS
WEST VIRGINIA, 1990
Table 40

SELECTED CAUSES OF DEATH	TOTAL	AGE IN YEARS													*AVERAGE AGE AT DEATH
		LESS THAN ONE	1-4	5-9	10-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 AND OVER	UNKNOWN	
TOTAL DEATHS, ALL CAUSES	19,360	222	31	22	34	260	377	566	967	2,358	4,796	5,671	4,056	0	71.3
DEATHS UNDER 1 YEAR	222	222	0	0	0	0	0	0	0	0	0	0	0	0	0.1
DEATHS UNDER 28 DAYS	142	142	0	0	0	0	0	0	0	0	0	0	0	0	0.0
INTESTINAL INFECTIOUS DISEASES	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.8
TUBERCULOSIS	12	0	0	0	0	1	1	2	0	3	2	2	1	0	58.5
SEPTICEMIA	151	4	0	1	0	0	5	0	4	12	30	45	50	0	75.0
MALIGNANT NEOPLASMS	4,433	2	3	6	0	9	34	136	320	846	1,497	1,165	415	0	69.2
--OF DIGESTIVE ORGANS AND PERITONEUM	971	0	0	0	0	0	5	11	46	144	341	298	126	0	72.2
--OF RESPIRATORY SYSTEM AND INTROTHRATIC ORGANS	1,475	0	0	0	0	1	2	28	113	383	557	323	68	0	67.8
--OF GENITOURINARY ORGANS	620	0	0	0	0	1	4	17	40	84	197	192	85	0	71.6
BENIGN NEOPLASMS, CARCINOMA IN SITU, AND NEOPLASM OF UNSPECIFIED NATURE	75	0	0	0	1	1	2	0	4	10	16	24	17	0	72.1
DIABETES MELLITUS	486	0	0	0	0	1	6	15	38	76	139	142	69	0	70.8
NUTRITIONAL DEFICIENCIES	25	0	0	0	0	0	0	0	0	0	1	10	14	0	85.1
ANEMIAS	42	0	0	0	0	2	0	1	1	2	6	9	21	0	79.2
MAJOR CARDIOVASCULAR DISEASES	8,712	3	1	2	2	9	32	132	335	930	2,046	2,864	2,356	0	76.1
DISEASES OF THE HEART	7,036	3	1	2	1	9	26	115	301	812	1,694	2,265	1,807	0	75.5
HYPERTENSION	76	0	0	0	0	0	0	1	2	7	15	30	21	0	78.0
CEREBROVASCULAR DISEASES	1,204	0	0	0	1	0	5	13	25	73	242	436	409	0	78.8
ARTERIOSCLEROSIS	164	0	0	0	0	0	0	1	3	15	22	48	75	0	81.8
OTHER DISEASES OF ARTERIES, ARTERIOLES, AND CAPILLARIES	232	0	0	0	0	0	1	2	4	23	73	85	44	0	75.3
PNEUMONIA AND INFLUENZA	711	2	2	0	0	1	2	6	10	36	124	228	300	0	80.4
PNEUMONIA	693	2	1	0	0	0	2	6	10	36	121	221	294	0	80.6
INFLUENZA	18	0	1	0	0	1	0	0	0	0	3	7	6	0	75.2
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	924	2	0	0	0	2	3	3	22	110	332	319	131	0	73.7
BRONCHITIS, EMPHYSEMA, AND ASTHMA	233	2	0	0	0	2	3	1	8	32	84	67	34	0	71.7
PNEUMOCONIOSIS AND OTHER LUNG DISEASES DUE TO EXTERNAL AGENT	195	0	0	0	0	0	0	0	1	14	62	80	38	0	77.3
COAL WORKER'S PNEUMOCONIOSIS	106	0	0	0	0	0	0	0	1	12	40	46	7	0	74.2
ULCER OF STOMACH AND DUODENUM	50	0	0	0	0	0	0	2	0	3	18	16	11	0	75.5
HERNIA AND INTESTINAL OBSTRUCTION	49	0	0	0	0	0	1	0	1	8	9	15	15	0	76.0
CHRONIC LIVER DISEASE AND CIRRHOSIS	182	0	0	0	0	1	3	15	31	47	58	23	4	0	61.6
CHOLELITHIASIS AND OTHER DISORDERS OF THE GALLBLADDER	15	0	0	0	0	0	0	0	0	2	3	7	3	0	77.5
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	195	0	1	0	0	1	1	2	2	12	39	74	63	0	78.4
INFECTIONS OF KIDNEY	4	0	0	0	0	0	0	0	1	0	1	1	1	0	72.0
CONGENITAL ANOMALIES	104	60	6	0	2	4	2	6	5	3	5	7	4	0	20.3
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	84	84	0	0	0	0	0	0	0	0	0	0	0	0	0.0
BIRTH TRAUMA OR ASPHYXIA, INTRAUTERINE HYPOXIA, AND RESPIRATORY DISTRESS SYNDROME	21	21	0	0	0	0	0	0	0	0	0	0	0	0	0.0
DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTHWEIGHT	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0.0
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS	162	45	2	0	0	5	3	6	7	9	14	28	43	0	52.5
ACCIDENTS, ALL FORMS	857	4	14	10	26	140	158	112	66	57	80	116	74	0	47.1
MOTOR VEHICLE ACCIDENTS	475	2	6	9	15	118	113	67	42	30	32	31	10	0	37.7
HOME ACCIDENTS	164	1	6	0	2	7	17	17	11	11	28	35	29	0	61.0
WORK ACCIDENTS	50	0	0	0	0	5	12	17	8	5	2	1	0	0	40.5
SUICIDE	220	0	0	1	1	37	35	44	26	32	18	21	5	0	45.7
HOMICIDE	114	2	0	0	0	25	35	23	8	10	5	6	0	0	37.3
ALL OTHER CAUSES (RESIDUAL)	1,557	13	2	2	2	21	54	61	85	136	291	469	421	0	72.4

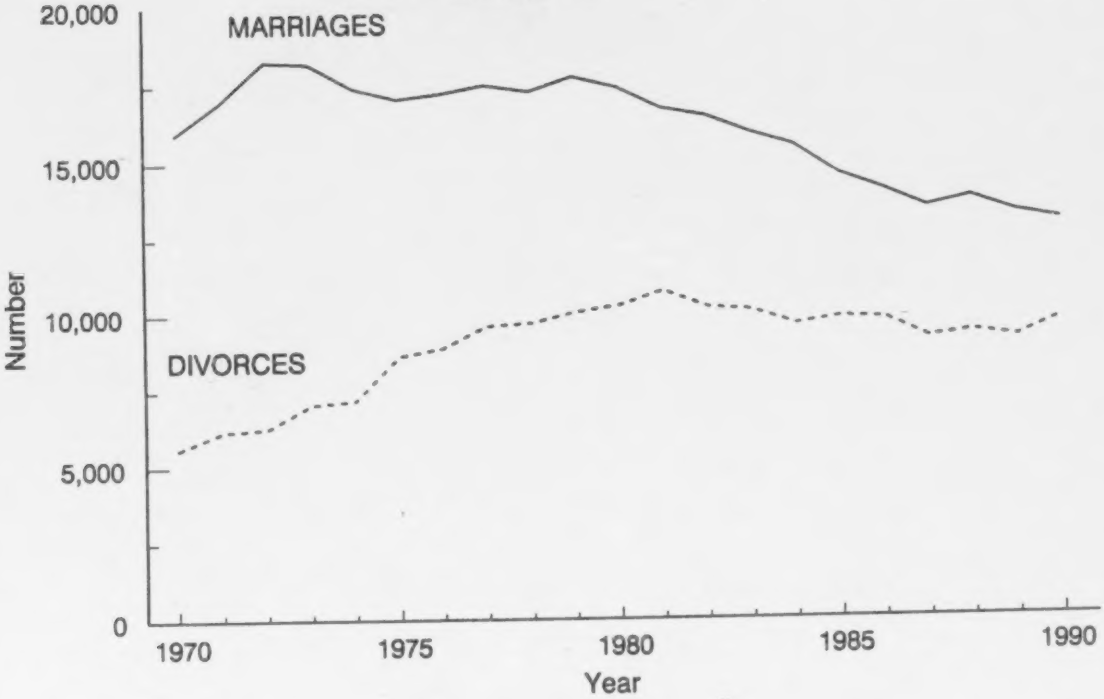
* DEATHS IN THE UNKNOWN COLUMN HAVE NOT BEEN USED IN COMPUTING THE AVERAGE AGES AT DEATH

SELECTED CAUSES OF RESIDENT DEATHS BY MONTH OF OCCURRENCE
WEST VIRGINIA, 1990
Table 41

SELECTED CAUSES OF DEATH	NUMBER OF DEATHS PER MONTH												TOTAL
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	
FETAL DEATHS	20	15	18	13	17	12	9	10	16	11	16	11	168
TOTAL DEATHS, ALL CAUSES	1,904	1,717	1,668	1,537	1,629	1,562	1,526	1,524	1,458	1,604	1,543	1,688	19,360
DEATHS UNDER 1 YEAR	9	15	19	15	23	17	30	15	20	19	17	23	222
DEATHS UNDER 28 DAYS	4	9	8	6	13	14	21	12	18	13	9	15	142
INTESTINAL INFECTIOUS DISEASES	0	0	1	0	0	0	0	0	0	0	0	0	1
TUBERCULOSIS	2	1	2	1	0	0	4	0	0	0	1	1	12
SEPTICEMIA	18	17	10	8	11	10	20	17	7	8	10	15	151
MALIGNANT NEOPLASMS	432	316	381	353	388	377	387	355	338	380	354	372	4,433
--OF DIGESTIVE ORGANS AND PERITONEUM	100	67	84	76	75	87	82	85	65	89	77	84	971
--OF RESPIRATORY SYSTEM AND INTRATHORACIC ORGANS	130	108	127	132	128	112	138	117	112	117	126	128	1,475
--OF GENITOURINARY ORGANS	60	41	47	34	60	67	51	56	54	49	47	54	620
BENIGN NEOPLASMS, CARCINOMA IN SITU, AND NEOPLASM OF UNSPECIFIED NATURE	4	7	4	5	5	3	5	11	6	5	13	7	75
DIABETES MELLITUS	41	41	47	31	46	44	32	42	42	37	48	35	486
NUTRITIONAL DEFICIENCIES	5	3	3	1	3	1	0	2	2	0	3	2	25
ANEMIAS	5	7	3	3	4	2	3	2	4	5	0	4	42
MAJOR CARDIOVASCULAR DISEASES	864	796	736	714	762	701	670	682	663	696	674	754	8,712
DISEASES OF THE HEART	689	635	588	577	617	566	541	547	544	580	547	605	7,036
HYPERTENSION	5	15	3	10	5	5	5	2	6	4	9	7	76
CEREBROVASCULAR DISEASES	127	120	108	98	109	90	96	97	93	78	84	104	1,204
ARTERIOSCLEROSIS	17	13	11	16	14	17	13	11	9	14	17	12	164
OTHER DISEASES OF ARTERIES, ARTERIOLES, AND CAPILLARIES	26	13	26	13	17	23	15	25	11	20	17	26	232
PNEUMONIA AND INFLUENZA	107	91	63	40	57	63	31	40	48	66	46	59	711
PNEUMONIA	99	87	61	39	57	63	31	40	48	65	45	58	693
INFLUENZA	8	4	2	1	0	0	0	0	0	1	1	1	18
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	104	108	86	75	67	63	58	75	65	65	64	94	924
BRONCHITIS, EMPHYSEMA, AND ASTHMA	35	21	27	16	18	13	18	15	16	17	13	24	233
PNEUMOCONIOSIS AND OTHER LUNG DISEASES DUE TO EXTERNAL AGENT	27	24	22	12	13	17	14	11	8	14	15	18	195
COAL WORKER'S PNEUMOCONIOSIS	16	11	8	6	9	11	8	7	6	7	8	9	106
ULCER OF STOMACH AND DUODENUM	2	3	4	5	6	2	4	4	2	8	5	5	50
HERNIA AND INTESTINAL OBSTRUCTION	4	7	1	6	3	4	4	3	3	3	6	5	49
CHRONIC LIVER DISEASE AND CIRRHOSIS	12	13	17	14	13	14	14	24	15	15	19	12	182
CHOLELITHIASIS AND OTHER DISORDERS OF THE GALLBLADDER	2	0	2	0	2	1	3	1	1	2	1	0	15
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	24	22	14	14	10	17	17	12	15	18	12	20	195
INFECTIONS OF KIDNEY	0	0	0	1	1	0	0	1	0	0	0	1	4
CONGENITAL ANOMALIES	6	7	10	10	5	4	10	13	10	13	9	7	104
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	2	7	5	1	11	11	14	7	11	5	4	6	84
BIRTH TRAUMA OR ASPHYXIA, INTRAUTERINE HYPOXIA, AND RESPIRATORY DISTRESS SYNDROME	1	2	1	0	2	2	2	3	3	2	2	1	21
DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTHWEIGHT	0	2	1	0	1	5	2	1	2	0	2	1	17
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS	17	12	14	14	11	11	7	9	18	17	19	13	162
ACCIDENTS, ALL FORMS	56	74	60	61	79	70	79	79	68	73	74	84	857
MOTOR VEHICLE ACCIDENTS	22	40	29	37	43	40	40	47	44	44	39	50	475
HOME ACCIDENTS	16	13	12	12	10	10	17	17	9	13	15	20	164
WORK ACCIDENTS	5	2	5	5	6	5	9	1	3	4	3	2	50
SUICIDE	19	24	19	20	12	22	18	18	15	21	16	16	220
HOMICIDE	9	11	9	8	6	8	7	8	11	10	12	15	114
ALL OTHER CAUSES (RESIDUAL)	142	126	155	140	114	117	125	108	106	143	138	143	1,557

MARRIAGES & DIVORCES

MARRIAGES AND DIVORCES
West Virginia, 1970-1990
Exhibit 16

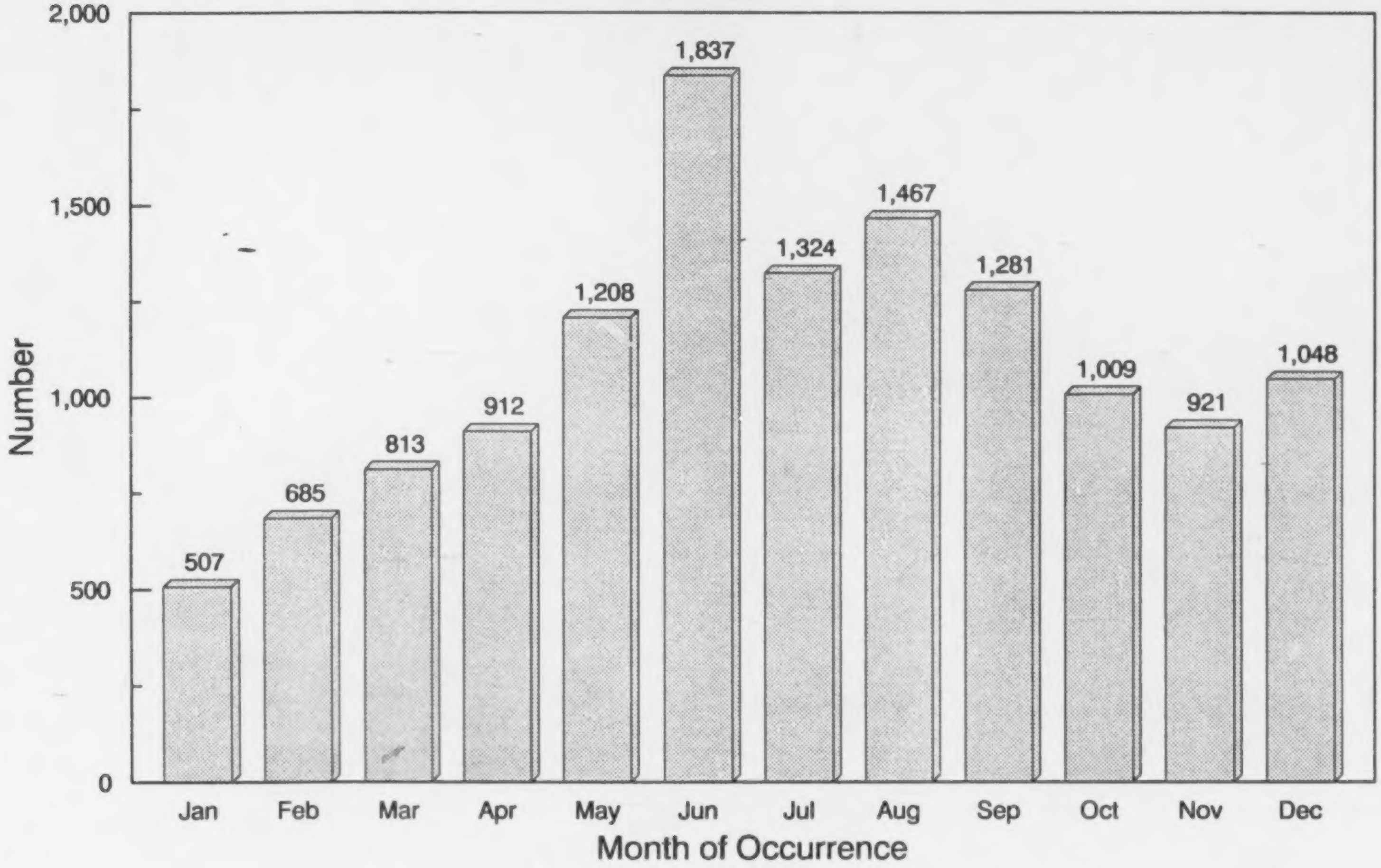


YEAR	MARRIAGES	DIVORCES AND ANNULMENTS
1970	15,948	5,584
1971	16,987	6,178
1972	18,270	6,270
1973	18,199	7,056
1974	17,409	7,176
1975	17,041	8,632
1976	17,229	8,893
1977	17,484	9,605
1978	17,275	9,698
1979	17,738	10,046
1980	17,391	10,273
1981	16,721	10,748
1982	16,467	10,198
1983	15,930	10,113
1984	15,513	9,625
1985	14,580	9,851
1986	14,033	9,804
1987	13,455	9,141
1988	13,768	9,352
1989	13,279	9,154
1990	13,012	9,783

MARRIAGES BY MONTH OF OCCURRENCE BY COUNTY
WEST VIRGINIA, 1990
Table 42

COUNTY	MONTH OF MARRIAGE												TOTAL
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	
BARBOUR	8	7	14	1	13	22	12	12	13	10	7	11	130
BERKELEY	4	13	11	24	31	51	31	37	38	22	18	19	299
BOONE	8	13	16	18	12	24	22	29	19	19	19	27	226
BRAXTON	4	9	9	10	10	18	17	21	14	7	11	7	137
BROOKE	8	2	13	18	25	32	27	21	30	19	19	10	224
CABELL	26	51	55	27	68	95	69	79	59	46	45	60	680
CALHOUN	7	1	4	5	9	11	6	5	3	8	7	4	70
CLAY	3	1	5	13	7	16	9	17	6	6	11	9	103
DODDRIDGE	0	2	9	6	3	5	5	5	5	5	1	8	54
FAYETTE	8	15	31	31	18	48	31	35	29	24	25	23	318
GILMER	1	2	2	3	7	11	7	4	5	7	2	5	56
GRANT	1	3	7	9	7	10	6	13	10	8	7	5	86
GREENBRIER	3	10	8	12	23	33	18	20	23	19	17	18	204
HAMPSHIRE	3	2	2	1	8	12	10	11	8	14	4	8	83
HANCOCK	10	16	17	18	28	29	23	27	34	36	15	23	276
HARDY	0	5	4	3	7	9	5	9	14	7	2	9	74
HARRISON	17	14	32	27	53	67	57	72	43	32	35	33	482
JACKSON	13	14	17	9	22	27	19	25	14	21	18	15	214
JEFFERSON	5	7	10	15	19	27	24	24	20	22	17	18	208
KANAWHA	70	103	109	137	147	233	166	205	157	120	100	139	1,686
LEWIS	6	8	10	13	21	5	21	13	19	13	13	14	156
LINCOLN	12	12	8	6	14	19	19	16	12	9	3	12	142
LOGAN	17	19	19	26	21	62	37	40	28	28	27	21	345
MCDOWELL	7	12	11	7	18	26	20	12	11	9	10	9	152
MARION	11	23	29	35	32	70	58	46	42	43	36	39	464
MARSHALL	14	16	16	14	32	45	21	26	29	31	15	25	284
MASON	5	15	16	14	16	20	20	23	26	15	19	17	206
MERCER	18	15	21	30	46	52	47	40	32	28	35	31	395
MINERAL	4	5	9	8	14	19	21	9	12	16	7	5	129
MINGO	7	3	8	9	10	36	20	17	13	8	11	11	153
MONONGALIA	14	27	29	33	56	67	40	75	40	46	39	46	512
MONROE	2	3	3	6	11	13	6	4	5	7	6	5	71
MORGAN	4	5	2	6	10	14	4	8	10	2	2	5	72
NICHOLAS	9	7	4	10	9	21	15	26	19	10	21	11	162
OHIO	11	25	24	33	49	70	41	66	69	33	29	33	483
PENDLETON	1	2	2	3	5	12	5	4	8	2	4	3	51
PLEASANTS	3	1	2	6	5	8	7	7	5	4	5	6	59
POCAHONTAS	5	2	1	4	3	10	9	3	6	6	4	2	55
PRESTON	2	9	4	9	13	30	17	14	20	14	14	15	161
PUTNAM	23	17	24	29	33	41	34	33	38	17	16	29	334
RALEIGH	24	29	31	47	53	65	66	47	70	36	55	49	572
RANDOLPH	8	8	9	14	22	32	15	26	29	21	13	21	218
RITCHIE	7	5	2	7	4	3	10	9	6	3	6	8	70
ROANE	4	8	5	8	11	19	17	23	7	9	14	10	135
SUMMERS	2	5	7	4	6	8	7	5	5	2	2	6	59
TAYLOR	1	5	5	5	4	16	9	5	6	6	6	7	75
TUCKER	3	1	1	4	9	13	4	4	6	2	2	10	59
TYLER	3	3	5	4	4	9	5	8	6	8	3	3	61
UPSHUR	10	12	20	15	19	33	17	20	15	14	15	16	206
WAYNE	8	16	14	14	17	24	16	18	18	9	21	15	190
WEBSTER	6	6	4	6	3	17	7	6	4	4	3	3	69
WETZEL	8	5	6	10	10	22	15	16	8	12	5	15	132
WIRT	2	4	5	3	8	11	2	2	4	2	1	2	46
WOOD	41	46	81	71	89	110	86	103	94	74	66	72	933
WYOMING	6	16	1	12	14	35	22	22	15	14	13	21	191
OUT OF STATE	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	507	685	813	912	1,208	1,837	1,324	1,467	1,281	1,009	921	1,048	13,012

MARRIAGES BY MONTH OF OCCURRENCE
West Virginia, 1990
Exhibit 17



NUMBER OF MARRIAGES BY COUNTY
WEST VIRGINIA, 1986–1990
Table 43

COUNTY	1986	1987	1988	1989	1990	COUNTY	1986	1987	1988	1989	1990
BARBOUR	127	127	144	109	130	MONONGALIA	526	501	475	510	512
BERKELEY	296	337	350	337	299	MONROE	58	21	12	73	71
BOONE	237	201	189	199	226	MORGAN	73	66	73	80	72
BRAXTON	125	143	120	119	137	NICHOLAS	232	175	180	197	162
BROOKE	200	183	187	255	224	OHIO	530	487	471	450	483
CABELL	771	728	817	726	680	PENDLETON	68	42	60	60	51
CALHOUN	78	62	64	67	70	PLEASANTS	69	64	61	76	59
CLAY	87	107	108	103	103	POCAHONTAS	62	48	67	54	55
DODDRIDGE	61	54	59	35	54	PRESTON	148	137	172	129	161
FAYETTE	373	343	364	338	318	PUTNAM	287	324	284	278	334
GILMER	74	46	54	55	56	RALEIGH	574	562	585	553	572
GRANT	66	69	66	71	86	RANDOLPH	229	243	259	247	218
GREENBRIER	206	206	237	225	204	RITCHIE	93	98	107	97	70
HAMPSHIRE	95	97	116	88	83	ROANE	133	127	150	118	135
HANCOCK	302	311	299	281	276	SUMMERS	54	76	60	70	59
HARDY	87	90	82	73	74	TAYLOR	77	105	81	83	75
HARRISON	581	526	568	516	482	TUCKER	63	70	93	68	59
JACKSON	252	197	238	220	214	TYLER	73	89	91	72	61
JEFFERSON	211	216	208	250	208	UPSHUR	237	215	211	208	206
KANAWHA	1,976	1,807	1,797	1,698	1,686	WAYNE	205	214	219	203	190
LEWIS	174	157	153	147	156	WEBSTER	78	87	77	72	69
LINCOLN	185	184	185	198	142	WETZEL	168	155	172	164	132
LOGAN	361	341	312	323	345	WIRT	49	51	36	39	46
MCDOWELL	210	177	195	131	152	WOOD	906	925	938	894	933
MARION	434	419	433	481	464	WYOMING	218	184	216	179	191
MARSHALL	316	311	293	345	284	OUT-OF-STATE	0	0	0	0	0
MASON	199	243	217	181	206						
MERCER	397	393	398	422	395	TOTAL	14,033	13,455	13,768	13,279	13,012
MINERAL	145	152	166	151	129						
MINGO	197	162	199	161	153						

MARRIAGES BY AGE OF BRIDE AND GROOM
WEST VIRGINIA, 1990
Table 44

AGE OF BRIDE	AGE OF GROOM												TOTAL
	10-14 YEARS	15-19 YEARS	20-24 YEARS	25-29 YEARS	30-34 YEARS	35-39 YEARS	40-44 YEARS	45-49 YEARS	50-54 YEARS	55-59 YEARS	60 & OVER YEARS	UNKNOWN	
10-14 YEARS	0	8	3	0	1	0	0	0	0	0	0	0	12
15-19 YEARS	0	917	1,618	307	75	19	2	3	1	0	0	2	2,944
20-24 YEARS	0	213	2,213	1,210	314	106	33	8	2	2	3	0	4,104
25-29 YEARS	0	26	378	920	553	233	94	20	9	5	4	1	2,243
30-34 YEARS	0	5	89	297	417	310	153	57	25	5	7	0	1,365
35-39 YEARS	0	4	28	99	180	248	215	79	39	18	7	2	919
40-44 YEARS	0	0	10	31	51	110	168	115	60	20	23	0	588
45-49 YEARS	0	1	2	5	9	26	53	65	65	36	30	0	292
50-54 YEARS	0	0	0	1	3	6	18	27	38	50	56	0	199
54-59 YEARS	0	0	0	0	0	2	4	5	14	26	50	0	101
60 & OVER	0	0	0	0	1	1	2	1	5	13	218	0	241
UNKNOWN	0	0	2	0	1	0	1	0	0	0	0	0	4
TOTAL	0	1,174	4,343	2,870	1,605	1,061	743	380	258	175	398	5	13,012

MARRIAGES BY PREVIOUS MARITAL STATUS
WEST VIRGINIA, 1990
Table 45

BRIDE	GROOM					TOTAL
	NEVER MARRIED	WIDOWED	DIVORCED	ANNULLED	NOT STATED	
NEVER MARRIED	7,122	60	1,330	27	1	8,540
WIDOWED	61	215	201	4	0	481
DIVORCED	1,267	175	2,484	14	1	3,941
ANNULLED	16	2	11	4	0	33
NOT STATED	14	1	1	0	1	17
TOTAL	8,480	453	4,027	49	3	13,012

MARRIAGES BY NUMBER OF PREVIOUS MARRIAGES
WEST VIRGINIA, 1990
Table 46

BRIDE	GROOM						TOTAL
	NEVER MARRIED	ONE PREVIOUS MARRIAGE	TWO PREVIOUS MARRIAGES	THREE PREVIOUS MARRIAGES	FOUR OR MORE PREVIOUS MARRIAGES	NOT STATED	
NEVER MARRIED	7,122	1,219	171	20	7	1	8,540
ONE PREVIOUS MARRIAGE	1,118	1,717	404	72	26	1	3,338
TWO PREVIOUS MARRIAGES	190	436	206	51	10	0	893
THREE PREVIOUS MARRIAGES	34	87	35	12	5	0	173
FOUR OR MORE PREVIOUS MARRIAGES	7	29	10	8	3	0	57
NOT STATED	9	2	0	0	0	0	11
TOTAL	8,480	3,490	826	163	51	2	13,012

DIVORCES AND ANNULMENTS BY COUNTY OF OCCURRENCE
WEST VIRGINIA, 1990
Table 47

COUNTY	NUMBER OF DIVORCES	NUMBER OF ANNULMENTS	TOTAL	COUNTY	NUMBER OF DIVORCES	NUMBER OF ANNULMENTS	TOTAL
BARBOUR	91	1	92	MONONGALIA	321	2	323
BERKELEY	293	1	294	MONROE	59	0	59
BOONE	155	0	155	MORGAN	65	1	66
BRAXTON	89	0	89	NICHOLAS	130	0	130
BROOKE	136	0	136	OHIO	185	2	187
CABELL	604	2	606	PENDLETON	41	0	41
CALHOUN	40	0	40	PLEASANTS	39	0	39
CLAY	96	0	96	POCAHONTAS	57	0	57
DODDRIDGE	16	0	16	PRESTON	141	0	141
FAYETTE	258	1	259	PUTNAM	239	2	241
GILMER	46	0	46	RALEIGH	467	1	468
GRANT	49	0	49	RANDOLPH	160	0	160
GREENBRIER	189	0	189	RITCHIE	53	0	53
HAMPSHIRE	93	0	93	ROANE	97	0	97
HANCOCK	163	0	163	SUMMERS	78	0	78
HARDY	53	0	53	TAYLOR	70	0	70
HARRISON	296	0	296	TUCKER	35	0	35
JACKSON	139	0	139	TYLER	48	0	48
JEFFERSON	172	1	173	UPSHUR	134	0	134
KANAWHA	1,251	1	1,252	WAYNE	267	1	268
LEWIS	82	0	82	WEBSTER	58	1	59
LINCOLN	143	0	143	WETZEL	104	1	105
LOGAN	227	1	228	WIRT	22	0	22
MCDOWELL	165	1	166	WOOD	507	2	509
MARION	299	0	299	WYOMING	158	0	158
MARSHALL	151	0	151				
MASON	157	1	158	TOTAL	9,758	25	9,783
MERCER	420	1	421				
MINERAL	91	1	92				
MINGO	259	0	259				

NUMBER OF DIVORCES AND ANNULMENTS BY COUNTY
WEST VIRGINIA, 1986–1990
Table 48

COUNTY	1986	1987	1988	1989	1990	COUNTY	1986	1987	1988	1989	1990
BARBOUR	95	71	61	99	92	MONONGALIA	345	320	290	340	323
BERKELEY	295	286	309	313	294	MONROE	57	50	57	53	59
BOONE	182	174	167	140	155	MORGAN	55	57	36	57	66
BRAXTON	72	80	67	95	89	NICHOLAS	137	159	155	144	130
BROOKE	113	96	131	117	136	OHIO	214	209	212	170	187
CABELL	589	541	581	550	606	PENDLETON	29	40	28	33	41
CALHOUN	28	34	54	36	40	PLEASANTS	38	45	37	40	39
CLAY	46	53	58	73	96	POCAHONTAS	46	56	37	46	57
DODDRIDGE	18	15	33	15	16	PRESTON	118	122	115	118	141
FAYETTE	289	252	262	233	259	PUTNAM	245	213	238	193	241
GILMER	31	31	26	30	46	RALEIGH	513	468	491	430	468
GRANT	42	32	36	51	49	RANDOLPH	166	132	148	143	160
GREENBRIER	187	174	172	184	189	RITCHIE	66	51	44	44	53
HAMPSHIRE	50	71	82	76	93	ROANE	73	67	68	73	97
HANCOCK	141	149	158	185	163	SUMMERS	66	66	63	61	78
HARDY	54	54	49	64	53	TAYLOR	82	92	74	71	70
HARRISON	349	309	331	240	296	TUCKER	46	46	42	35	35
JACKSON	125	123	119	122	139	TYLER	43	39	36	46	48
JEFFERSON	178	183	180	173	173	UPSHUR	103	83	122	125	134
KANAWHA	1,293	1,187	1,165	1,168	1,252	WAYNE	251	241	203	215	268
LEWIS	117	74	92	115	82	WEBSTER	45	46	72	52	59
LINCOLN	127	118	139	136	143	WETZEL	88	63	77	92	105
LOGAN	221	258	258	268	228	WIRT	23	17	17	14	22
MCDOWELL	248	174	225	177	166	WOOD	540	542	498	476	509
MARION	267	270	274	266	299	WYOMING	202	144	182	193	158
MARSHALL	155	156	158	166	151						
MASON	172	141	129	147	158						
MERCER	428	351	363	310	421	TOTAL	9,804	9,141	9,352	9,154	9,783
MINERAL	115	107	96	121	92						
MINGO	186	209	235	220	259						

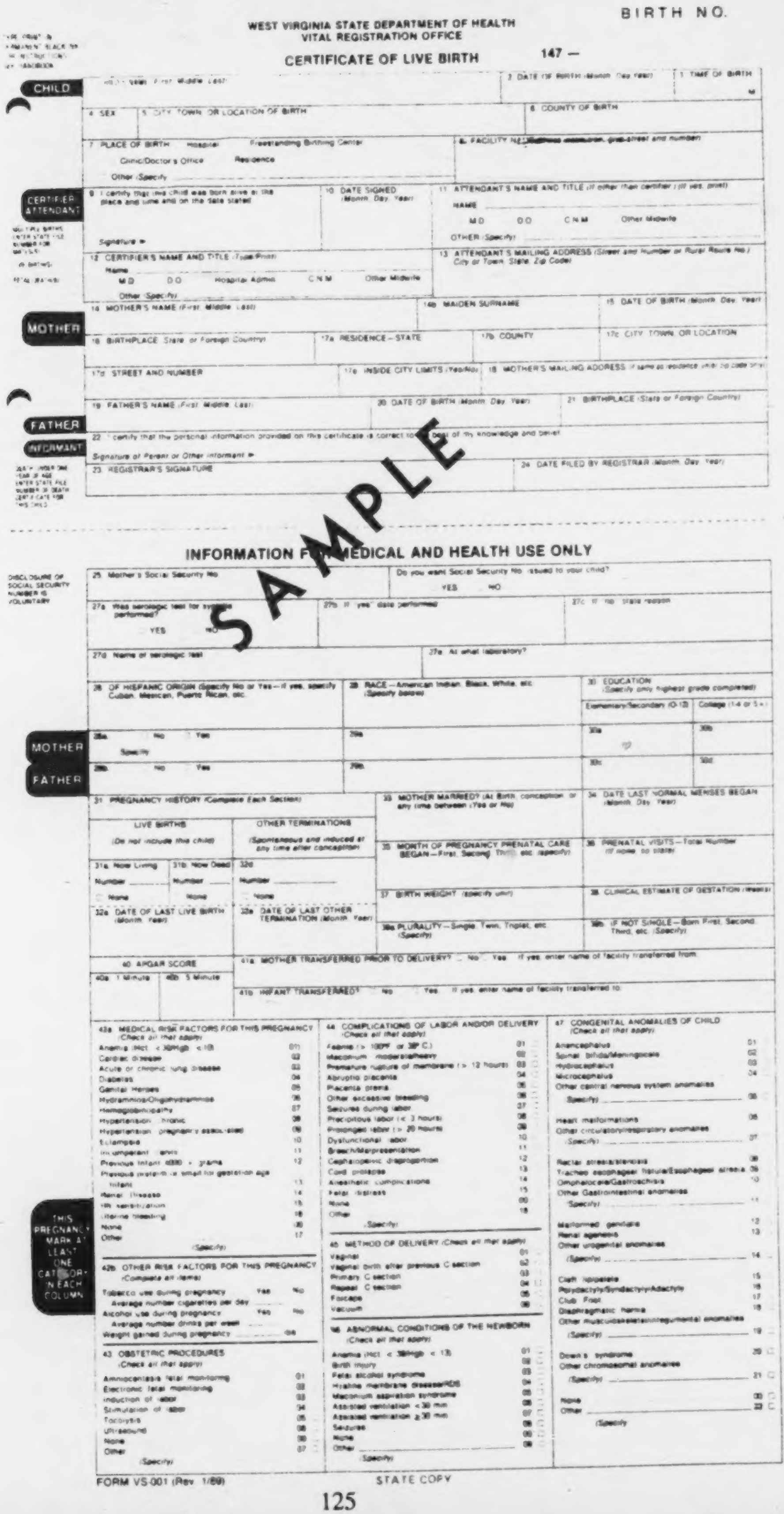
DIVORCES AND ANNULMENTS BY AGE OF HUSBAND AND WIFE
WEST VIRGINIA, 1990
Table 49

AGE OF WIFE	AGE OF HUSBAND										TOTAL
	15-19 YEARS	20-24 YEARS	25-29 YEARS	30-34 YEARS	35-39 YEARS	40-44 YEARS	45-49 YEARS	50-54 YEARS	55-59 YEARS	60 & OVER YEARS	UNKNOWN	
10-14 YEARS	0	0	0	0	1	0	0	0	0	0	0	1
15-19 YEARS	66	240	56	11	4	2	0	0	0	0	1	380
20-24 YEARS	22	723	663	162	43	12	6	0	0	0	8	1,639
25-29 YEARS	3	109	789	589	204	85	29	10	2	5	5	1,830
30-34 YEARS	1	31	163	659	545	153	57	18	12	6	8	1,653
35-39 YEARS	0	15	56	145	564	409	109	44	17	16	3	1,378
40-44 YEARS	1	2	11	38	107	403	243	89	21	18	2	935
45-49 YEARS	0	1	3	16	31	61	181	126	44	33	3	499
50-54 YEARS	0	0	1	2	8	13	35	93	62	62	0	276
54-59 YEARS	0	0	0	1	1	7	10	20	47	56	3	145
60 & OVER	0	0	1	1	0	2	7	8	15	142	1	177
UNKNOWN	2	17	16	7	7	12	6	7	3	0	793	870
TOTAL	95	1,138	1,759	1,631	1,515	1,159	683	415	223	338	827	9,783

DIVORCES AND ANNULMENTS BY DURATION OF MARRIAGE AND NUMBER OF CHILDREN
WEST VIRGINIA, 1990
Table 50

DURATION OF MARRIAGE IN YEARS	NUMBER OF CHILDREN REPORTED UNDER 18 YEARS OF AGE										TOTAL
	NONE	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT OR MORE	UNKNOWN	
UNDER 1	525	53	15	2	1	0	0	0	0	0	596
1 TO 5	2,315	1,086	379	43	10	1	0	0	0	0	3,834
6 TO 10	751	649	577	156	26	5	0	0	0	0	2,164
11 TO 15	273	340	461	158	25	3	0	1	0	0	1,261
16 TO 20	147	244	329	131	22	7	1	0	1	0	882
21 TO 25	220	175	77	14	6	1	0	1	0	0	494
26 TO 30	194	47	8	4	1	0	0	0	0	0	254
31 TO 35	104	20	5	1	0	0	0	0	0	0	130
36 TO 40	48	7	0	1	0	0	0	0	0	0	56
41 TO 45	21	0	0	0	0	0	0	0	0	0	21
46 TO 50	15	0	0	0	0	0	0	0	0	0	15
51 TO 55	5	0	0	0	0	0	0	0	0	0	5
56 TO 60	0	0	0	1	0	0	0	0	0	0	1
OVER 60	0	1	2	0	0	0	0	0	0	0	3
UNKNOWN	35	17	11	3	1	0	0	0	0	0	67
TOTAL	4,653	2,639	1,864	514	92	17	1	2	1	0	9,783

APPENDIXES



BIRTH NO.

WEST VIRGINIA STATE DEPARTMENT OF HEALTH
VITAL REGISTRATION OFFICE

CERTIFICATE OF LIVE BIRTH 147 —

CHILD

1. CHILD'S NAME (First, Middle, Last)
2. DATE OF BIRTH (Month, Day, Year)
3. TIME OF BIRTH M
4. SEX
5. CITY, TOWN, OR LOCATION OF BIRTH
6. COUNTY OF BIRTH
7. PLACE OF BIRTH Hospital Freestanding Birthing Center Clinic/Doctor's Office Residence Other (Specify)
8. FACILITY NAME (If not institution, give street and number)

CERTIFIER ATTENDANT

MULTIPLE BIRTHS ENTER STATE FILE NUMBER FOR MATE(S)
LIVE BIRTH(S)
FETAL DEATH(S)

9. I certify that this child was born alive at the place and time and on the date stated
Signature ►
10. DATE SIGNED (Month, Day, Year)
11. ATTENDANT'S NAME AND TITLE (If other than certifier) (Type/Print)
NAME
M.D. D.O. C.N.M. Other Midwife
OTHER (Specify)
12. CERTIFIER'S NAME AND TITLE (Type/Print)
Name
M.D. D.O. Hospital Admin. C.N.M. Other Midwife
Other (Specify)
13. ATTENDANT'S MAILING ADDRESS (Street and Number or Rural Route No., City or Town, State, Zip Code)

MOTHER

14. MOTHER'S NAME (First, Middle, Last)
14b. MAIDEN SURNAME
15. DATE OF BIRTH (Month, Day, Year)
16. BIRTHPLACE (State or Foreign Country)
17a. RESIDENCE—STATE
17b. COUNTY
17c. CITY, TOWN, OR LOCATION
17d. STREET AND NUMBER
17e. INSIDE CITY LIMITS (Yes/No)
18. MOTHER'S MAILING ADDRESS (If same as residence, enter zip code only)

FATHER

19. FATHER'S NAME (First, Middle, Last)
20. DATE OF BIRTH (Month, Day, Year)
21. BIRTHPLACE (State or Foreign Country)

INFORMANT

DEATH UNDER ONE YEAR OF AGE ENTER STATE FILE NUMBER OF DEATH CERTIFICATE FOR THIS CHILD

22. I certify that the personal information provided on this certificate is correct to the best of my knowledge and belief.
Signature of Parent or Other Informant ►
23. REGISTRAR'S SIGNATURE
24. DATE FILED BY REGISTRAR (Month, Day, Year)

SAMPLE

INFORMATION FOR MEDICAL AND HEALTH USE ONLY

DISCLOSURE OF SOCIAL SECURITY NUMBER IS VOLUNTARY

25. Mother's Social Security No.
Do you want Social Security No. issued to your child? YES NO
27a. Was serologic test for syphilis performed? YES NO
27b. If "yes" date performed
27c. If "no" state reason
27d. Name of serologic test
27e. At what laboratory?
28. OF HISPANIC ORIGIN (Specify No or Yes—If yes, specify Cuban, Mexican, Puerto Rican, etc.)
29. RACE—American Indian, Black, White, etc. (Specify below)
30. EDUCATION (Specify only highest grade completed) Elementary/Secondary (0-12) College (1-4 or 5+)

MOTHER
28a. No Yes Specify
29a.
30a.
30b.

FATHER
28b. No Yes
29b.
30c.
30d.

31. PREGNANCY HISTORY (Complete Each Section)
LIVE BIRTHS (Do not include this child)
OTHER TERMINATIONS (Spontaneous and induced at any time after conception)
31a. Now Living Number ☐ None
31b. Now Dead Number ☐ None
32d. Number ☐ None
32a. DATE OF LAST LIVE BIRTH (Month, Year)
32e. DATE OF LAST OTHER TERMINATION (Month, Year)
33. MOTHER MARRIED? (At Birth, conception, or any time between) (Yes or No)
34. DATE LAST NORMAL MENSES BEGAN (Month, Day, Year)
35. MONTH OF PREGNANCY PRENATAL CARE BEGAN—First, Second, Third, etc. (specify)
36. PRENATAL VISITS—Total Number (If none, so state)
37. BIRTH WEIGHT (specify unit)
38. CLINICAL ESTIMATE OF GESTATION (weeks)
39a. PLURALITY—Single, Twin, Triplet, etc. (Specify)
39b. IF NOT SINGLE—Born First, Second, Third, etc. (Specify)
40. APGAR SCORE
40a. 1 Minute
40b. 5 Minute
41a. MOTHER TRANSFERRED PRIOR TO DELIVERY? ☐ No ☐ Yes If yes, enter name of facility transferred from:
41b. INFANT TRANSFERRED? ☐ No ☐ Yes If yes, enter name of facility transferred to:

THIS PREGNANCY MARK AT LEAST ONE CATEGORY IN EACH COLUMN

42a. MEDICAL RISK FACTORS FOR THIS PREGNANCY (Check all that apply)
Anemia (Hct. < 30/Hgb. < 10) 01
Cardiac disease 02
Acute or chronic lung disease 03
Diabetes 04
Genital Herpes 05
Hydramnios/Oligohydramnios 06
Hemoglobinopathy 07
Hypertension, chronic 08
Hypertension, pregnancy-associated 09
Eclampsia 10
Incompetent cervix 11
Previous infant 4000 + grams 12
Previous preterm or small-for-gestational-age infant 13
Renal disease 14
Rh sensitization 15
Uterine bleeding 16
None 00
Other 17
(Specify)

42b. OTHER RISK FACTORS FOR THIS PREGNANCY (Complete all items)
Tobacco use during pregnancy Yes No
Average number cigarettes per day
Alcohol use during pregnancy Yes No
Average number drinks per week
Weight gained during pregnancy lbs.

43. OBSTETRIC PROCEDURES (Check all that apply)
Amniocentesis fetal monitoring 01
Electronic fetal monitoring 02
Induction of labor 03
Stimulation of labor 04
Tocolysis 05
Ultrasound 06
None 00
Other 07 ☐
(Specify)

44. COMPLICATIONS OF LABOR AND/OR DELIVERY (Check all that apply)
Febrile (> 100°F. or 38°C.) 01
Meconium, moderate/heavy 02
Premature rupture of membrane (> 12 hours) 03 ☐
Abruptio placenta 04
Placenta previa 05
Other excessive bleeding 06
Seizures during labor 07
Precipitous labor (< 3 hours) 08
Prolonged labor (> 20 hours) 09
Dysfunctional labor 10
Breech/Malpresentation 11
Cephalopelvic disproportion 12
Cord prolapse 13
Anesthetic complications 14
Fetal distress 15
None 00
Other 16
(Specify)

45. METHOD OF DELIVERY (Check all that apply)
Vaginal 01
Vaginal birth after previous C-section 02
Primary C-section 03
Repeat C-section 04 ☐
Forceps 05
Vacuum 06

46. ABNORMAL CONDITIONS OF THE NEWBORN (Check all that apply)
Anemia (Hct. < 39/Hgb. < 13) 01
Birth injury 02
Fetal alcohol syndrome 03
Hyaline membrane disease/RDS 04
Meconium aspiration syndrome 05
Assisted ventilation < 30 min. 06
Assisted ventilation ≥ 30 min. 07
Seizures 08
None 00
Other 09
(Specify)

47. CONGENITAL ANOMALIES OF CHILD (Check all that apply)
Anencephalus 01
Spina bifida/Meningocele 02
Hydrocephalus 03
Microcephalus 04
Other central nervous system anomalies
(Specify) 05
Heart malformations 06
Other circulatory/respiratory anomalies
(Specify) 07
Rectal atresia/stenosis 08
Tracheo-esophageal fistula/Esophageal atresia 09
Omphalocele/Gastroschisis 10
Other Gastrointestinal anomalies
(Specify) 11
Malformed genitalia 12
Renal agenesis 13
Other urogenital anomalies
(Specify) 14
Cleft lip/palate 15
Polydactyly/Syndactyly/Adactyly 16
Club Foot 17
Diaphragmatic hernia 18
Other musculoskeletal/integumental anomalies
(Specify) 19
Down's syndrome 20 ☐
Other chromosomal anomalies
(Specify) 21 ☐
None 00 ☐
Other 22 ☐
(Specify)

FORM VS-001 (Rev. 1/89)

STATE COPY

WEST VIRGINIA DEPARTMENT OF HEALTH & HUMAN SERVICES
DIVISION OF HEALTH - VITAL REGISTRATION OFFICE
PHYSICIAN'S/MEDICAL EXAMINER'S CERTIFICATE OF DEATH

TYPE/PRINT IN PERMANENT BLACK INK

STATE FILE NUMBER

NAME OF DECEDENT ______
For use by physician or institution

DECEDENT

1 DECEDENT'S NAME (First, Middle, Last)			2 SEX	3 DATE OF DEATH (Month, Day, Year)
4 SOCIAL SECURITY NUMBER	5a AGE-Last Birthday (Years)	5b UNDER 1 YEAR Months / Days	5c UNDER 1 DAY Hours / Minutes	6 DATE OF BIRTH (Month, Day, Year)
7 BIRTHPLACE (City and State or Foreign Country)				

8 WAS DECEDENT EVER IN U.S. ARMED FORCES? (Yes or no)

9a PLACE OF DEATH (Check only one: see instructions on other side)
HOSPITAL: ☐ Inpatient ☐ ER/Outpatient ☐ DOA
OTHER: ☐ Nursing Home ☐ Residence ☐ Other (Specify)

9b FACILITY NAME (If not institution, give street and number)	9c CITY, TOWN, OR LOCATION OF DEATH	9d COUNTY OF DEATH
10 MARITAL STATUS—Married, Never Married, Widowed, Divorced (Specify)	11 SURVIVING SPOUSE (If wife, give maiden name)	12a DECEDENT'S USUAL OCCUPATION (Give kind of work done during most of working life. Do not use retired.)
12b KIND OF BUSINESS/INDUSTRY		
13a RESIDENCE—STATE	13b COUNTY	13c CITY, TOWN, OR LOCATION
13d STREET AND NUMBER	13e INSIDE CITY LIMITS? (Yes or no)	13f ZIP CODE

14 WAS DECEDENT OF HISPANIC ORIGIN? (Specify No or Yes—if yes, specify Cuban, Mexican, Puerto Rican, etc.) ☐ No ☐ Yes Specify:

15 RACE—American Indian, Black, White, etc. (Specify)

16 DECEDENT'S EDUCATION (Specify only highest grade completed)
Elementary/Secondary (0-12) 16A
College (1-4 or 5+) 16B

PARENTS

17 FATHER'S NAME (First, Middle, Last)

18 MOTHER'S NAME (First, Middle, Maiden Surname)

INFORMANT

19a INFORMANT'S NAME (Type/Print)

19b MAILING ADDRESS (Street and Number or Rural Route Number, City or Town, State, Zip Code)

DISPOSITION

20a METHOD OF DISPOSITION
☐ Burial ☐ Cremation ☐ Removal from State
☐ Donation ☐ Other (Specify) ______

20b PLACE OF DISPOSITION (Name of cemetery, crematory, or other place)

20c LOCATION—City or Town, State

21 SIGNATURE OF FUNERAL SERVICE LICENSEE OR PERSON ACTING AS SUCH
▶

22 NAME AND ADDRESS OF FACILITY

PRONOUNCING PHYSICIAN ONLY

Complete items 23a-b only when certifying physician is not available at time of death to certify cause of death

23a To the best of my knowledge, death occurred at the time, date, and place stated
Signature and Title ▶

23b DATE SIGNED (Month, Day, Year)

ITEMS 24-26 MUST BE COMPLETED BY PERSON WHO PRONOUNCES DEATH →

24 TIME OF DEATH ______ M

25 DATE PRONOUNCED DEAD (Month, Day, Year)

26 WAS CASE REFERRED TO MEDICAL EXAMINER/CORONER? (Yes or no)

CAUSE OF DEATH

27 PART I. Enter the diseases, injuries, or complications that caused the death. Do not enter the mode of dying, such as cardiac or respiratory arrest, shock, or heart failure. List only one cause on each line.

Approximate Interval Between Onset and Death

IMMEDIATE CAUSE (Final disease or condition resulting in death) → a.

Sequentially list conditions, if any, leading to immediate cause. Enter UNDERLYING CAUSE (Disease or injury that initiated events resulting in death) LAST

DUE TO (OR AS A CONSEQUENCE OF):
b.
DUE TO (OR AS A CONSEQUENCE OF):
c.
DUE TO (OR AS A CONSEQUENCE OF):
d.

PART II. Other significant conditions contributing to death but not resulting in the underlying cause given in Part I.

28a WAS AN AUTOPSY PERFORMED? (Yes or no)

28b WERE AUTOPSY FINDINGS AVAILABLE PRIOR TO COMPLETION OF CAUSE OF DEATH? (Yes or no)

29 MANNER OF DEATH
☐ Natural ☐ Pending Investigation
☐ Accident
☐ Suicide ☐ Could not be Determined
☐ Homicide

30a DATE OF INJURY (Month, Day, Year)	30b TIME OF INJURY ______ M	30c INJURY AT WORK? (Yes or No)	30d DESCRIBE HOW INJURY OCCURRED
30e PLACE OF INJURY – At home, farm, street, factory, office building, etc. (Specify)	30f LOCATION (Street and Number or Rural Route Number, City or Town, State)		

CERTIFIER

31a CERTIFIER (Check only one)

☐ CERTIFYING PHYSICIAN (Physician certifying cause of death when another physician has pronounced death and completed item 23)
To the best of my knowledge, death occurred due to the cause(s) and manner as stated.

☐ PRONOUNCING AND CERTIFYING PHYSICIAN (Physician both pronouncing death and certifying to cause of death)
To the best of my knowledge, death occurred at the time, date, and place, and due to the cause(s) and manner as stated.

☐ MEDICAL EXAMINER/CORONER
On the basis of examination and/or investigation, in my opinion, death occurred at the time, date, and place, and due to the cause(s) and manner as stated.

31b SIGNATURE AND TITLE OF CERTIFIER
▶

31c DATE SIGNED (Month, Day, Year)

32 NAME AND ADDRESS OF PERSON WHO COMPLETED CAUSE OF DEATH (ITEM 27) (Type/Print)

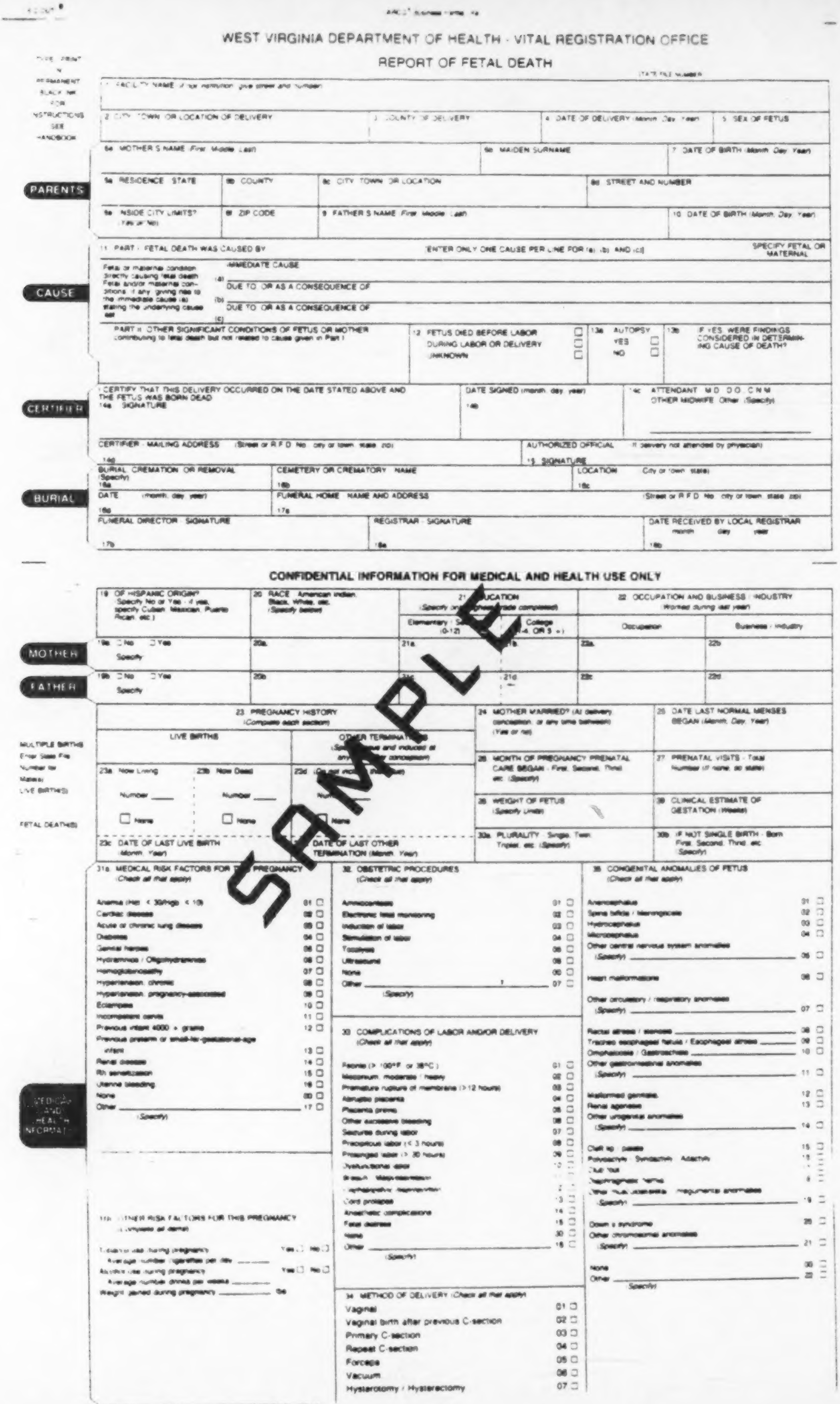
33 REGISTRAR'S SIGNATURE
▶

34 DATE FILED (Month, Day, Year)

Form VS-002 (Rev. 1/88)

STATE COPY

SAMPLE



WEST VIRGINIA DEPARTMENT OF HEALTH - VITAL REGISTRATION OFFICE

REPORT OF FETAL DEATH

TYPE, PRINT IN PERMANENT BLACK INK FOR INSTRUCTIONS SEE HANDBOOK

STATE FILE NUMBER

PARENTS

1. FACILITY NAME (If not institution, give street and number)
2. CITY, TOWN, OR LOCATION OF DELIVERY
3. COUNTY OF DELIVERY
4. DATE OF DELIVERY (Month, Day, Year)
5. SEX OF FETUS

6a. MOTHER'S NAME (First, Middle, Last)
6b. MAIDEN SURNAME
7. DATE OF BIRTH (Month, Day, Year)
8a. RESIDENCE - STATE
8b. COUNTY
8c. CITY, TOWN, OR LOCATION
8d. STREET AND NUMBER
8e. INSIDE CITY LIMITS? (Yes or No)
8f. ZIP CODE
9. FATHER'S NAME (First, Middle, Last)
10. DATE OF BIRTH (Month, Day, Year)

CAUSE

11. PART I. FETAL DEATH WAS CAUSED BY: (ENTER ONLY ONE CAUSE PER LINE FOR (a), (b), AND (c).) — SPECIFY FETAL OR MATERNAL

Fetal or maternal condition directly causing fetal death. Fetal and/or maternal conditions, if any, giving rise to the immediate cause (a), stating the underlying cause last.

(a) IMMEDIATE CAUSE
(b) DUE TO, OR AS A CONSEQUENCE OF
(c) DUE TO, OR AS A CONSEQUENCE OF

PART II. OTHER SIGNIFICANT CONDITIONS OF FETUS OR MOTHER contributing to fetal death but not related to cause given in Part I

12. FETUS DIED BEFORE LABOR ☐ DURING LABOR OR DELIVERY ☐ UNKNOWN ☐

13a. AUTOPSY YES ☐ NO ☐

13b. IF YES, WERE FINDINGS CONSIDERED IN DETERMINING CAUSE OF DEATH?

CERTIFIER

I CERTIFY THAT THIS DELIVERY OCCURRED ON THE DATE STATED ABOVE AND THE FETUS WAS BORN DEAD.

14a. SIGNATURE

14b. DATE SIGNED (month, day, year)

14c. ATTENDANT M.D. D.O. C.N.M. OTHER MIDWIFE Other (Specify)

14d. CERTIFIER - MAILING ADDRESS (Street or R.F.D. No., city or town, state, zip)

15. AUTHORIZED OFFICIAL (If delivery not attended by physician) SIGNATURE

BURIAL

16a. BURIAL, CREMATION, OR REMOVAL (Specify)
16b. CEMETERY OR CREMATORY - NAME
16c. LOCATION (City or town, state)
16d. DATE (month, day, year)
17a. FUNERAL HOME - NAME AND ADDRESS (Street or R.F.D. No., city or town, state, zip)
17b. FUNERAL DIRECTOR - SIGNATURE
18a. REGISTRAR - SIGNATURE
18b. DATE RECEIVED BY LOCAL REGISTRAR month day year

CONFIDENTIAL INFORMATION FOR MEDICAL AND HEALTH USE ONLY

	19. OF HISPANIC ORIGIN? (Specify No or Yes - if yes, specify Cuban, Mexican, Puerto Rican, etc.)	20. RACE - American Indian, Black, White, etc. (Specify below)	21. EDUCATION (Specify only highest grade completed) Elementary / Secondary (0-12)	College (1-4, OR 5 +)	22. OCCUPATION AND BUSINESS / INDUSTRY (Worked during last year) Occupation	Business / Industry
MOTHER	19a. ☐ No ☐ Yes Specify	20a.	21a.	21b.	22a.	22b.
FATHER	19b. ☐ No ☐ Yes Specify	20b.	21c.	21d.	22c.	22d.

23. PREGNANCY HISTORY (Complete each section)

LIVE BIRTHS

23a. Now Living — Number ____ ☐ None

23b. Now Dead — Number ____ ☐ None

23c. DATE OF LAST LIVE BIRTH (Month, Year)

OTHER TERMINATIONS (Spontaneous and induced at any time after conception)

23d. (Do not include this fetus) — Number ____ ☐ None

23e. DATE OF LAST OTHER TERMINATION (Month, Year)

MULTIPLE BIRTHS Enter State File Number for Mate(s)

LIVE BIRTH(S)

FETAL DEATH(S)

24. MOTHER MARRIED? (At delivery, conception, or any time between) (Yes or no)

25. DATE LAST NORMAL MENSES BEGAN (Month, Day, Year)

26. MONTH OF PREGNANCY PRENATAL CARE BEGAN - First, Second, Third, etc. (Specify)

27. PRENATAL VISITS - Total Number (If none, so state)

28. WEIGHT OF FETUS (Specify Unit)

29. CLINICAL ESTIMATE OF GESTATION (Weeks)

30a. PLURALITY - Single, Twin, Triplet, etc. (Specify)

30b. IF NOT SINGLE BIRTH - Born First, Second, Third, etc. (Specify)

MEDICAL AND HEALTH INFORMATION

31a. MEDICAL RISK FACTORS FOR THIS PREGNANCY (Check all that apply)

Anemia (Hct. < 30/Hgb. < 10)	01	☐
Cardiac disease	02	☐
Acute or chronic lung disease	03	☐
Diabetes	04	☐
Genital herpes	05	☐
Hydramnios / Oligohydramnios	06	☐
Hemoglobinopathy	07	☐
Hypertension, chronic	08	☐
Hypertension, pregnancy-associated	09	☐
Eclampsia	10	☐
Incompetent cervix	11	☐
Previous infant 4000 + grams	12	☐
Previous preterm or small-for-gestational-age infant	13	☐
Renal disease	14	☐
Rh sensitization	15	☐
Uterine bleeding	16	☐
None	00	☐
Other ____ (Specify)	17	☐

31b. OTHER RISK FACTORS FOR THIS PREGNANCY (Complete all items)

Tobacco use during pregnancy Yes ☐ No ☐
Average number cigarettes per day ____
Alcohol use during pregnancy Yes ☐ No ☐
Average number drinks per week ____
Weight gained during pregnancy ____ lbs.

32. OBSTETRIC PROCEDURES (Check all that apply)

Amniocentesis	01	☐
Electronic fetal monitoring	02	☐
Induction of labor	03	☐
Stimulation of labor	04	☐
Tocolysis	05	☐
Ultrasound	06	☐
None	00	☐
Other ____ (Specify)	07	☐

33. COMPLICATIONS OF LABOR AND/OR DELIVERY (Check all that apply)

Febrile (> 100°F. or 38°C.)	01	☐
Meconium, moderate / heavy	02	☐
Premature rupture of membrane (> 12 hours)	03	☐
Abruptio placenta	04	☐
Placenta previa	05	☐
Other excessive bleeding	06	☐
Seizures during labor	07	☐
Precipitous labor (< 3 hours)	08	☐
Prolonged labor (> 20 hours)	09	☐
Dysfunctional labor	10	☐
Breech / Malpresentation	11	☐
Cephalopelvic disproportion	12	☐
Cord prolapse	13	☐
Anesthetic complications	14	☐
Fetal distress	15	☐
None	00	☐
Other ____ (Specify)	16	☐

34. METHOD OF DELIVERY (Check all that apply)

Vaginal	01	☐
Vaginal birth after previous C-section	02	☐
Primary C-section	03	☐
Repeat C-section	04	☐
Forceps	05	☐
Vacuum	06	☐
Hysterotomy / Hysterectomy	07	☐

35. CONGENITAL ANOMALIES OF FETUS (Check all that apply)

Anencephalus	01	☐
Spina bifida / Meningocele	02	☐
Hydrocephalus	03	☐
Microcephalus	04	☐
Other central nervous system anomalies (Specify) ____	05	☐
Heart malformations	06	☐
Other circulatory / respiratory anomalies (Specify) ____	07	☐
Rectal atresia / stenosis ____	08	☐
Tracheo-esophageal fistula / Esophageal atresia ____	09	☐
Omphalocele / Gastroschisis ____	10	☐
Other gastrointestinal anomalies (Specify) ____	11	☐
Malformed genitalia	12	☐
Renal agenesis	13	☐
Other urogenital anomalies (Specify) ____	14	☐
Cleft lip / palate	15	☐
Polydactyly / Syndactyly / Adactyly	16	☐
Club foot	17	☐
Diaphragmatic hernia	18	☐
Other musculoskeletal / integumental anomalies (Specify) ____	19	☐
Down's syndrome	20	☐
Other chromosomal anomalies (Specify) ____	21	☐
None	00	☐
Other ____ (Specify)	22	☐

SAMPLE

RE-ORDER FROM — SYSCAN CORPORATION
[illegible] REGENCY RD. LEXINGTON, KY [illegible]

212161

TYPE/PRINT IN PERMANENT BLACK INK FOR INSTRUCTIONS SEE HANDBOOK

WEST VIRGINIA DEPARTMENT OF HEALTH - VITAL REGISTRATION OFFICE

APPLICATION FOR MARRIAGE LICENSE

License No. ________

Date License Issued

COUNTY:

STATE FILE NUMBER

GROOM

1. GROOM'S NAME *(First, Middle, Last)*
2. AGE LAST BIRTHDAY
3a. RESIDENCE – CITY, TOWN, OR LOCATION
3b. COUNTY
3c. STATE
4. BIRTHPLACE *(State or Foreign Country)*
5. DATE OF BIRTH *(Month, Day, Year)*
6a. FATHER'S NAME *(First, Middle, Last)*
6b. BIRTHPLACE *(State or Foreign Country)*
7a. MOTHER'S NAME *(First, Middle, Maiden Surname)*
7b. BIRTHPLACE *(State or Foreign Country)*
8. SOC. SEC. NO.
9. RELATIONSHIP TO BRIDE NONE ☐
10. EVIDENCE OF AGE

BRIDE

11a. BRIDE'S NAME *(First, Middle, Last)*
11b. MAIDEN SURNAME *(If different)*
12. AGE LAST BIRTHDAY
13a. RESIDENCE—CITY, TOWN, OR LOCATION
13b. COUNTY
13c. STATE
14. BIRTHPLACE *(State or Foreign Country)*
15. DATE OF BIRTH *(Month, Day, Year)*
16a. FATHER'S NAME *(First, Middle, Last)*
16b. BIRTHPLACE *(State or Foreign Country)*
17a. MOTHER'S NAME *(First, Middle, Maiden Surname)*
17b. BIRTHPLACE *(State or Foreign Country)*
18. SOC. SEC. NO.
19. RELATIONSHIP TO GROOM NONE ☐
20. EVIDENCE OF AGE

SAMPLE

	21. NUMBER OF THIS MARRIAGE– First, Second, etc. *(Specify below)*	22. IF PREVIOUSLY MARRIED, LAST MARRIAGE ENDED By Death, Divorce, Dissolution, or Annulment *(Specify Below)*	22. Date *(Month, Day, Year)*	23. RACE-American Indian, Black, White, etc. *(Specify below)*	24. EDUCATION *(Specify only highest grade completed)* Elementary/Secondary (0-12)	24. College (1-4 or 5 +)
GROOM	21a.	22a.	22b.	23a.	24a.	24b.
BRIDE	21b.	22c.	22d.	23b.	24c.	24d.

The applicant(s), being first duly sworn, declares that the statements above are true and correct.

Bride and groom must sign. →

25. SIGNATURE OF GROOM
26. SIGNATURE OF BRIDE

27. Taken, subscribed and sworn to before the undersigned authority by the applicant(s) above, this ____ day of ____________ 19______

______________________ County Clerk By ______________________

Deputy Clerk, County Court of ______________________ County, W. Va.

RECORD OF MARRIAGE

28. DATE OF MARRIAGE (Month) (Day) (Year)
29. COUNTY OF MARRIAGE
30. CITY OR TOWN OF MARRIAGE

31. OFFICIANT'S a. NAME ______________________ b. ADDRESS ______________________

c. AUTHORIZED POSITION ☐ RELIGIOUS OFFICIAL ______________________ ☐ CIVIL OFFICIAL ______________________

Specify Religious Body

Specify Authorized Position

32. SIGNATURE OF COUNTY CLERK
33. DATE FILED (Month) (Day) (Year)

34. HIV BROCHURE PROVIDED? YES ☐ NO ☐

To County Clerk:
1. Transcribe information from marriage license to Record of Marriage.
2. Item 31: Enter date this record is completed.

COUNTY COPY

FORM VS-008 (REV. 7/89)

WEST VIRGINIA STATE DEPARTMENT OF HEALTH
DIVISION OF VITAL STATISTICS

MONTHLY REPORT OF DIVORCES AND ANNULMENTS OF MARRIAGE GRANTED

________________ COUNTY

REPORT FOR THE MONTH OF ________________, 19 ____

CIVIL ACTION NUMBER	NAME HUSBAND'S FULL NAME WIFE'S MAIDEN NAME	DATE OF BIRTH, OR AGE	PLACE OF THIS MARRIAGE COUNTY	STATE	DATE OF THIS MARRIAGE	PLAINTIFF (SPECIFY)	DIVORCE OR ANNULMENT (SPECIFY)	NAME(S) CHILDREN UNDER EIGHTEEN	DATE OF THIS DECREE	DO NOT WRITE IN THIS SPACE

SAMPLE

(SEE REVERSE SIDE FOR INSTRUCTIONS AND CERTIFICATION)

DVS-9 (5-'67)

APPENDIX B

GROUPINGS OF ICDA CODES

I.C.D.A.	SELECTED CAUSES
001-009	Intestinal infectious diseases
010-018	Tuberculosis
038	Septicemia
140-208	Malignant neoplasms
150-159	--of digestive organs and peritoneum
160-165	--of respiratory and intrathoracic organs
179-189	--of genitourinary organs
210-239	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature
250	Diabetes mellitus
260-269	Nutritional deficiencies
280-285	Anemias
390-448	Major cardiovascular diseases
390-398, 402, 404-429	Diseases of the heart
401,403	Hypertension with or without renal disease
430-438	Cerebrovascular diseases
440	Arteriosclerosis
441-448	Other diseases of arteries, arterioles, and capillaries
480-487	Pneumonia and influenza
480-486	Pneumonia
487	Influenza
490-496	Chronic obstructive pulmonary disease and allied conditions
490-493	Bronchitis, emphysema, and asthma
500-508	Pneumoconiosis and other lung diseases due to external agents
500	Coalworker's pneumoconiosis
531-533	Ulcer of stomach and duodenum
550-553, 560	Hernia of abdominal cavity and intestinal obstruction
571	Chronic liver disease and cirrhosis
574-575	Cholelithiasis and other disorders of gallbladder
580-589	Nephritis, nephrotic syndrome, and nephrosis
590	Infection of kidney
740-759	Congenital anomalies
760-779	Certain conditions originating in the perinatal period
765	Disorders relating to short gestation and unspecified low birthweight
767-769	Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome
780-799	Symptoms, signs, and ill-defined conditions
E800-E949	Accidents, all forms
E810-E825	Motor vehicle accidents
	Home accidents
	Work accidents
E950-959	Suicide
E960-969	Homicide
Residual Codes	All other causes